

**Groundwater Investigation Report
Former Sylvania Electric Product Incorporated Facility
Hicksville, New York
Voluntary Cleanup Program
Site No. V00089-1**

**Prepared for:
GTE Operations Support Incorporated**

**Prepared by:
Malcolm Pirnie, Inc.
17-17 Route 208 North
Fair Lawn, New Jersey 07410**

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EXECUTIVE SUMMARY

This report summarizes the results of a groundwater investigation that characterizes the nature and extent of groundwater containing volatile organic compounds (VOCs), radionuclides, and metals at the former Sylvania Electric Products Facility (the "Site") located at 70, 100, and 140 Cantiague Rock Road in Hicksville, Nassau County, New York (Figure 1-1). This work was conducted pursuant to the New York State Department of Environmental Conservation (NYSDEC) Voluntary Cleanup Program (VCP).

This groundwater investigation was completed in general conformance with the methods and procedures outlined in the Groundwater Investigation Work Plan dated May 3, 2002 (URS, Revised September 2002), which was approved by the NYSDEC (September 2002). Groundwater samples were collected at 10-foot intervals from 15 Waterloo Profiles® (Profiler) beginning at the water table, which is approximately 72 feet below ground surface (bgs) and ending at depths that range from 205 to 302.5 feet, and from 12 existing monitoring wells at the Site. A description of the Profiler is provided in Appendix A.

The primary constituents of concern at the Site are tetrachloroethene (PCE) and trichloroethene (TCE). The results showed that most of the profiles or wells containing PCE at concentrations above the NYSDEC Groundwater Quality Standards (GQS) of 5 ug/L were located in the east-central and southeastern portions of the Site. The highest concentration of PCE (22,000 ug/L) was detected in groundwater samples collected from P-16, which is located in the Nassau County Golf Course Driving Range (GCDR) to the southeast of the Site. These data suggest that the PCE plume is moving to the southeast. The Profiler results also showed that TCE was detected in the groundwater at the Site above the NYSDEC GQS of 5 ug/L. Based on the groundwater configuration, there is groundwater flow to the south and southeast. The results also show that radionuclides and nickel are not groundwater constituents of concern at this Site.

GTE Operational Support Incorporated (GTEOSI) will conduct further off-Site investigation activities with the Profiler to further define the nature and extent PCE and TCE originating from the Site.

1.0 INTRODUCTION

This report summarize the nature and extent of groundwater containing VOCs, radionuclides, and metals at the Site located at 70, 100, and 140 Cantiague Rock Road in Hicksville, Nassau County, New York (Figure 1-1). This work was conducted pursuant to the NYSDEC VCP. This groundwater investigation was completed in general conformance with the methods and procedures outlined in the Groundwater Investigation Work Plan dated May 3, 2002 (URS, Revised September 2002), which was approved by the NYSDEC.

1.1 OBJECTIVES

The following project objectives were established in the Work Plan dated May 3, 2002 (URS, Revised September 2002):

- Identify if sources of chlorinated VOCs exist at the Site;
- Determine the extent of chlorinated VOCs in the on-Site groundwater;
- Identify if radionuclides and metals should be included as groundwater constituents of concern;
- Assess groundwater quality conditions on-Site in areas not currently monitored;
- Evaluate if there is any relationship between the data from the Site, former General Instruments (GI) facility, and surrounding areas;
- Confirm existing data; and
- Evaluate groundwater flow dynamics.

These objectives were evaluated by completing the following tasks:

- Groundwater level measurements - Groundwater levels were measured in the on-Site wells shown on Figure 1-2.

- Groundwater sampling from the existing monitoring wells - One round of groundwater samples was collected from the wells shown on Figure 1-2.
- Vertical delineation of constituents of concern in groundwater - The Profiler was used to vertically profile the groundwater characteristics within the water-bearing unit including the index of hydraulic conductivity (IK). The Profiler was used to collect various physico-chemical data and groundwater samples within the water-bearing unit at the locations shown on Figure 1-2.

1.2 SITE DESCRIPTION

The Site is bordered to the north by the Nassau County Department of Public Works (NCDPW) facility. The Site is bordered to the east by the GCDR. Vishay General Semiconductor (VSC), the corporate successor to General Instrument (GI), is south of the Site (a Class 2 State inactive hazardous waste site). Cantiague Rock Road and various commercial and industrial properties are located to the west (Figure 1-1).

The Site includes three separately owned lots: the 70 Property, 100 Property, and the 140 Property. Approximately 95 percent of the 9.5-acre fenced Site is either paved or occupied by buildings.

The 70 Property, on the southern portion of the Site, consists of an approximately 79,210-square foot (ft²) one-story brick building and associated land. The portion of the property not occupied by the building is paved and used for parking and storage. This property was purchased by its current owner in 1979, and was expanded to the east after adjacent land (Lot 105) was purchased from Nassau County. The western portion of the building is the only original building from the former Sylvania facility (historically Building #4) that remains, as the other original buildings have been demolished.

The 100 Property is centrally located on the Site and consists of the fenced area enclosing an 80,100-ft² two-story distribution building and paved parking lots.

The 140 Property is on the northern portion of the site, immediately south of the NCDPW. This property houses an approximately 54,500-ft² one-story office and an

industrial building. The property is primarily paved with the exception of a small area on the east side that abuts the GCDR.

1.3 SITE HISTORY/BACKGROUND

The Site was operated for the fabrication of reactor fuel elements from 1952 to 1966 and high temperature coatings and composite alloys for space and aircraft industries from 1952 to 1969 (URS, 2002). Records indicate that Sylvania operated the three main buildings, designated as buildings #1, #2, and #4, and twelve support buildings under license #SNM-82 (for fuel rod fabrication) issued from the Atomic Energy Commission (AEC) (NRC 1996). Buildings #1 and #2 on Lot 80 already existed when Sylvania first occupied the property in 1952. Sylvania acquired the remainder of Lot 79 in 1957 and constructed building #4.

The former Sylvania Plant fabricated reactor fuel elements and high temperature protective coatings. The plant had two production facilities, one for the manufacture of commercial-type fuel elements and the other for the government manufacture of special elements and reactor materials.

With the sale of the Sylvania Nuclear Division's equipment, tooling, and license assets to National Lead Industries in 1966, the production of nuclear fuel elements and components at the facility ceased. In 1967 the AEC removed the Site from licensing requirements due to cessation of nuclear product production activities. The Sylvania Parts Division continued Site operations until 1969.

The buildings were demolished in 1968 and 1969 with the exception of Building #4, which exists on the 70 Property. This building was decommissioned in accordance with then applicable regulations and released for unrestricted use by the New York State Department of Labor (NYSDOL) in 1967. According to a letter from Rita Aldrich of the NYSDOL to Barbara Youngberg of NYSDEC dated March 21, 1997, Building #4 was reviewed by Oak Ridge National Laboratory (ORNL) in December 1995, who found that "the building was suitable for unrestricted use according to present limits." Further, the letter indicates that NYSDOL made readings in January 1996 and found no reading

above background. Before the construction of the current buildings, the property was subdivided into three new parcels with new lot numbers.

2.0 GEOLOGY/HYDROGEOLOGY

In this section, the characteristics of the regional and site-specific geologic conditions are discussed. Regional geology is briefly discussed to put the Site into perspective within the larger regional geologic framework. This discussion of regional geology is based on the published geologic data, including Isbister (1966), Perlmutter and Geraghty (1963), and Fuller (1914). The Site geology is further described based upon our interpretation of the data collected from the current field investigation.

2.1 GEOLOGY

2.1.1 Regional Geologic Setting

The Site is located in the Atlantic Coastal Plain physiographic province. This region is geologically bordered to the south by the Atlantic Ocean and to the north by the Piedmont and New England physiographic provinces. Five unconsolidated geologic units lie beneath the site, including Ronkonkoma glacial outwash, Harbor Hill glacial outwash, Magothy Formation, Raritan Clay, and Lloyd Sands. However, only two (undifferentiated glacial outwash and Magothy formation) of these units were penetrated during the field investigation. A stratigraphic column of the geology of Nassau County is shown on Figure 2-1. A generalized hydrogeologic cross-section is shown on Figure 2-2.

2.1.2 Magothy Formation

The Magothy Formation and Matawan Group (Magothy) are undifferentiated and lie unconformably on the Raritan Clay. The Magothy, like the Lloyd Sands and Raritan Clay, are early Cretaceous deposits of continental origin and are mostly deltaic quartzose very-fine to coarse grained sand and silty sand with interbedded silt and clay. The Magothy ranges in thickness from zero at its northern limit to more than 800 feet in southeastern Nassau County. The Magothy's upper surface slopes southward with its altitude ranging from 200 feet above mean sea level (msl) to more than 350 feet below msl. The Magothy commonly has a 25 to 50 foot thick coarse sand and gravel layer at its base.

The Magothy was encountered at the Site during the investigation from 75 feet below grade to below the bottom of the borings. The Magothy at the Site was found to be composed of brown fine to medium-grained sand with minor amounts of silt and coarse sand.

2.1.3 Glacial Outwash

Glacial outwash occurs as the surface deposits in the area around the Site. These glacial outwash deposits are undifferentiated Ronkonkoma and Harbor Hill deposits of Wisconsin age. These two Pleistocene deposits are unconformable with underlying strata, and are found at land surface in nearly all of Nassau County. They range in thickness from 70 to 100 feet.

The Ronkonkoma ice sheet deposited a mantle of glacial drift on the Cretaceous, Pliocene, and early Pleistocene deposits. The drift ranges from unstratified till to stratified outwash and mainly occurs in three forms; basal drift, terminal moraine, and an outwash plain (Figure 2-3). South of the Ronkonkoma moraine is a relatively flat outwash plain that extends from the moraine to the south shore. It is composed of well-rounded coarse-grained sand and gravel.

The Harbor Hill drift covers most of northern Nassau County and consists of outwash and till. Outwash deposits of the Harbor Hill ice sheet thinly cover the Ronkonkoma basal drift. The outwash deposits extend from the moraine to the south shore. Its surface is irregular and includes numerous kettles, depressions, and small hills.

Glacial outwash from the Ronkonkoma and Harbor Hill glacial advances were encountered at the Site. These two units are undifferentiated in this area, as shown on Figure 2-3. The material is predominantly brown, medium to coarse-grained sand with minor amounts of fine sand and silt. The glacial outwash extends from land surface to approximately 70 feet below grade.

2.2 HYDROGEOLOGY

This section describes the occurrence of groundwater as it is contained within the geologic framework described above. The water table was observed between 72 to 74

feet below land surface, which is at the contact between the Magothy and the overlying glacial outwash.

2.2.1 Magothy Aquifer

Groundwater in the shallow portions of this formation occurs as an unconfined aquifer. However, lenses of silt and clay, whose overlapping arrangement produces anisotropy as high as 100:1, tend to cause a confining effect with depth. The storativity of the Magothy ranges from water table conditions (0.3) to confined conditions (0.0003) depending on the location and depth. The Magothy has a hydraulic conductivity ranging from 525 to 1,500 gallons per day per square foot (gpd/ft²), but has gravel layers with significantly higher values. The static horizontal hydraulic gradient is shallow on the order of six feet per mile (0.001). However, the hydraulic gradient has been severely affected by local pumping. Wells that tap the Magothy in Nassau County can yield up to 1,500 gallons per minute (gpm). The specific capacity of wells range from 15 to 45 gpm/ft in fine sand, and 67 gpm/ft in coarser material (Isbister, 1966).

Contours of equal water table elevation interpolated from water level measurements (Table 2-1) collected on December 9, 2002 are presented on Figure 2-4. The water table has an average horizontal hydraulic gradient of 0.0003 beneath the Site. The direction of lateral groundwater flow is perpendicular to the groundwater equipotential contours shown on Figure 2-4. This map shows that groundwater flows from the northwest to the south and southeast.

3.0 METHODS AND PROCEDURES

This section describes the field investigation and methodology used to assess Site-specific conditions. Groundwater samples were collected from existing monitoring wells (MW-1 through MW-12) and from groundwater Profiles (P-1 through P-14 and P-16) using the Profiler. The details of the groundwater investigation are discussed in the following subsections.

3.1 EXISTING MONITORING WELL SAMPLING

The existing monitoring wells were sampled using low-flow purge methods. A Grundfos® pump and polyethylene tubing were used to pump groundwater from each monitoring well to a flow-through cell, which measured dissolved oxygen (DO), pH, specific conductance, turbidity, salinity, oxygen reduction potential (ORP), and temperature. Groundwater samples were collected following the equilibration of these field parameters.

The groundwater samples were labeled and immediately placed on ice for delivery to Severn Trent Laboratory (STL) in St. Louis, Missouri. STL is a full service New York State Department of Health (NYSDOH) and ELAP certified laboratory for VOC analyses using the United States Environmental Protection Agency (USEPA) Method 8260B. STL also analyzed select water samples for isotopic thorium via Environmental Measurements Laboratory (EML) TH-01 Modified, isotopic uranium by EML U-02 Modified, and select metals by USEPA Method 6010B. Samples were also analyzed for chlorides, sulfides, and total organic carbon (TOC). STL reported the results using Category B deliverables. Samples were transported to the laboratory using standard chain-of-custody procedures.

3.2 GROUNDWATER PROFILING

Stone Environmental, Inc. of Montpelier, Vermont conducted the groundwater profiling in accordance with the approved Work Plan, using the Profiler. CT&E

Environmental Drilling Division of West Creek, New Jersey (CT&E) and Aquifer Drilling & Testing, Inc. (ADT) of New Hyde Park, New York drilled the Profiles. Both companies are licensed by the state of New York and were on site during all drilling activities. The groundwater profiling investigation was conducted from October 11 through December 13, 2002.

Profiling was conducted at 15 locations (P-1 through P-14, and P-16). Planned profile locations P-13, P-14, and P-16 were chosen in the field based on the findings of the previously drilled profile locations. Proposed profile location P-15 was not advanced due to scheduling issues.

The Profile locations were chosen in areas that generally correspond to those proposed in the Work Plan. However, as the investigation progressed, information obtained from the profile probes was used to make adjustments to the probe locations. A discussion of the sampling program is provided below.

The groundwater samples were analyzed by Stone Environmental, Inc in an on-Site laboratory and analyzed for VOCs (Appendix B). Greater than 10 percent of the samples were split and immediately placed on ice for delivery to STL in St. Louis, Missouri for VOC analyses using the USEPA Method 8260B. In addition, select groundwater samples were also sent to STL for selected metals by USEPA Method 6010B, and isotopic thorium via Environmental Measurements Laboratory (EML) TH-01 Modified, isotopic uranium by EML U-02 Modified, and gamma spectroscopy. Select groundwater samples were also analyzed for chlorides, ammonia, chlorine, and total and ferric iron.

3.2.1 Profile Probes

The profiling sequence first explored the on-Site areas to determine possible impacts, then proceeded to off-Site locations in the perceived downgradient groundwater flow direction. Profiling initially began at locations P-1 and P-2, located east of the 140 Property Building (Figure 1-2). Information from these upgradient Profiles was used to evaluate Site conditions and related groundwater chemistry impacts derived from salt piles located on an adjacent parcel of land located to the north.

Profile P-1, located east of the 140 Building, was conducted at an upgradient location to assess background Site conditions. This Profile was started on October 15, 2002 by advancing augers to 70 feet bgs, which is just above the water table. The Profiler was lowered inside the augers and driven from 70 to 78.7 feet bgs for the collection of the first groundwater sample. Groundwater samples were collected at 10-foot intervals from 78.7 to 137.6 feet bgs with the Profiler when the Profiler broke off the rods. The Profiler and was removed from the augers and the boring was abandoned by filling the borehole with grout as the augers were removed. A second boring was started a few feet from the first attempt by advanced augers to 145 feet bgs. Groundwater samples were collected at 10-foot intervals from 147.1 to 187.2 feet bgs with the Profiler until the Profiler encountered refusal. Augers were then advanced to 190 feet bgs and two groundwater samples were collected from 197.6 to 207.3 feet bgs with the Profiler until the Profiler encountered refusal. Augers were then advanced to 210 feet bgs and one groundwater sample was collected at 217.1 feet bgs with the Profiler before the Profiler encountered refusal again. Augers were then advanced to 225 feet bgs and groundwater samples were collected at 229.1, 237.5, and 245.0 feet bgs with the Profiler until the Profiler encountered refusal. Augers were then advanced to 250 feet bgs and groundwater samples were collected at 10-foot intervals from 257.6 to 286.5 feet bgs and 301.2 feet bgs when the Profiler encountered refusal for a final time. The Profiler was removed from the augers and the boring was abandoned by filling the borehole with grout as the augers were removed.

Profile P-2, located in the southeast corner of the 140 Property, was started on October 14, 2002. Augers were advanced to 70 feet bgs, which is just above the water table. The Profiler was lowered inside the augers and driven from 70 to 78.2 feet bgs to collect the first groundwater sample. Groundwater samples were collected at 10-foot intervals from 78.2 to 181.5 feet bgs with the Profiler. The Profiler sheared off of the rods at 189 feet bgs. The augers were removed from the boring and the boring was abandoned by filling the borehole with grout as the augers were removed. A second attempt to complete P-2 was made a few feet from the first boring the following day by advancing augers to 189 feet bgs. Groundwater samples were collected at 190.0 feet bgs with the Profiler when the Profiler encountered refusal. Augers were advanced to 200

feet bgs and groundwater samples were collected at 10-foot intervals from 200.0 to 258.2 feet bgs with the Profiler until the Profiler encountered refusal for the final. The Profiler was removed from the augers and the boring was abandoned by filling the borehole with grout as the augers were removed. A third attempt to complete P-2 was started on November 21, 2002 a few feet from the first two attempts. Augers were advanced to 260 feet bgs and groundwater samples were collected at 10-foot intervals from 266.6 to 297.1 feet bgs and 302.1 feet bgs when the Profiler encountered refusal for the final time. The Profiler was removed from the augers and the boring was abandoned by filling the borehole with grout as the augers were removed.

Profile P-3, located along the southern property boundary of the 140 Property, was started on November 17, 2002. Augers were advanced to 70 feet bgs, which is just above the water table. The Profiler was lowered inside the augers and driven from 70 to 87.4 feet bgs to collect the first groundwater sample. Groundwater samples were collected at 10-foot intervals from 87.4 to 137.4 with the Profiler until the Profiler encountered refusal. Augers were advanced to 145 feet bgs and groundwater samples were collected at 10-foot intervals from 147.4 to 217.4 feet bgs with the Profiler until the profiler encountered refusal for a second time. Augers were then advanced to a final depth of 225 feet and groundwater samples were collected at 10-foot intervals from 227.4 to 297.4 feet bgs and 302.4 feet bgs. Profile P-3 was terminated on November 21, 2002, at 302.4 feet bgs. The Profiler was removed from the augers and the boring was abandoned by filling the borehole with grout as the augers were removed.

Profile P-4, located along the central-north property boundary of the 100 Property, was started on October 28, 2002. Augers were advanced to 70 feet bgs, which is just above the water table. The Profiler was lowered inside the augers and driven from 70 to 77.5 feet bgs for the collection of the first groundwater sample. Groundwater samples were collected at 10-foot intervals from 77.5 to 167.5 with the Profiler until the Profiler encountered refusal. Augers were advanced to 170 feet bgs and groundwater samples were collected at 10-foot intervals from 177.5 to 237.8 feet bgs with the Profiler until the Profiler encountered refusal a second time. Augers were then advanced to a final depth of 240 feet and groundwater samples were collected at 10-foot intervals from 247.8 to 277.9 feet bgs until the Profiler encountered refusal a final time on November 2,

2002, at 280.4 feet bgs. The Profiler was removed from the augers and the boring was abandoned by filling the borehole with grout as the augers were removed.

Profile P-5, located along the north of the 70 Building, was started on October 28, 2002. Augers were advanced to 70 feet bgs, which is just above the water table. The Profiler was lowered inside the augers and driven from 70 to 77.5 feet bgs to collect the first groundwater sample. Groundwater samples were collected at 10-foot intervals from 77.5 to 187.5 with the Profiler until the Profiler encountered refusal. Augers were advanced to 190 feet bgs and groundwater samples were collected at 10-foot intervals from 197.5 to 227.4 feet bgs with the Profiler until the Profiler encountered refusal a second time. Augers were then advanced to 235 feet bgs and groundwater samples were collected at 237.4 and 247.4 feet bgs with the Profiler until the Profiler encountered refusal a third time. Augers were advanced to 255 feet bgs and a groundwater sample collected at 262.5 feet bgs with the Profiler when the Profiler encountered refusal a fourth time. Augers were advanced to a final depth of 270 feet bgs and groundwater samples were collected at 10-foot intervals from 272.4 to 292.4 feet bgs and 299.0 feet bgs. Profile P-5 was terminated on November 2, 2002, at 299 feet bgs. The Profiler was removed from the augers and the boring was abandoned by filling it with grout as the augers were removed.

Profile P-6, located along the southeast property boundary of the 100 Property, was started on November 13, 2002. Augers were advanced to 70 feet bgs, which is just above the water table. The Profiler was lowered inside the augers and driven from 70 to 82.8 feet bgs to collect the first groundwater sample. Groundwater samples were collected at 10-foot intervals from 82.8 to 162.8 feet bgs with the Profiler until the Profiler encountered refusal. Augers were advanced to 170 feet bgs and groundwater samples were collected at 10-foot intervals from 172.8 to 222.8 feet bgs with the Profiler until the Profiler encountered refusal for a second time. The augers were removed from the boring and the boring was abandoned by filling it with grout as the augers were removed. A second attempt to complete P-6 was made a few feet from the first by advancing augers to 230 feet bgs. Groundwater samples were collected at 10-foot intervals from 232.8 to 291.5 feet bgs when the Profiler encountered refusal. Profile P-6 was terminated at 291.5 feet bgs on November 18, 2002. The Profiler was removed from

the augers and the boring was abandoned by filling it with grout as the augers were removed.

Profile P-7, located west of the 140 Building, was started on November 18, 2002. Augers were advanced to 74 feet bgs, which is just above the water table. The Profiler was lowered inside the augers and driven from 74 to 82.4 feet bgs to collect the first groundwater sample. Groundwater samples were collected at 10-foot intervals from 82.4 to 142.4 feet bgs with the Profiler until the Profiler encountered refusal. Augers were advanced to 145 feet bgs and groundwater samples were collected at 10-foot intervals from 152.4 to 222.4 feet bgs with the Profiler until the Profiler encountered refusal a second and final time. The Profiler was removed from the augers and the boring was abandoned by filling it with grout as the augers were removed. A second attempt to complete P-7 was made a few feet from the first by advancing augers to 225 feet bgs. Groundwater samples were collected at 10-foot intervals from 232.4 to 292.4 feet bgs and 301.0 feet bgs when the Profiler encountered refusal. Profile P-7 was terminated at 301 feet bgs on December 4, 2002. The Profiler was removed from the augers and the boring was abandoned by filling the borehole with grout as the augers were removed.

Profile P-8, located south of the 140 Building (90 feet from the southwest corner of the 140 Building and 85 feet from the northwest corner of the 100 Building), was started on December 3, 2002. Augers were advanced to 70 feet bgs, which is just above the water table. The Profiler was lowered inside the augers and driven from 70 to 77.5 feet bgs to collect the first groundwater sample. Groundwater samples were collected at 10-foot intervals from 77.6 to 127.6 with the Profiler until the Profiler encountered refusal. Augers were advanced to 130 feet bgs and groundwater samples were collected at 10-foot intervals from 137.6 to 187.6 feet bgs with the Profiler until the Profiler encountered refusal a second time. Augers were then advanced to a final depth of 190 feet bgs and groundwater samples were collected at 10-foot intervals from 197.6 to 297.6 feet bgs and 302.6 feet bgs. Profile P-8 was terminated on December 7, 2002, at 302.6 feet bgs. The Profiler was removed from the augers and the boring was abandoned by filling the borehole with grout as the augers were removed.

Profile P-9, located on the southeastern property boundary of the 70 Property, was started on November 13, 2002. Augers were advanced to 70 feet bgs, which is just above

the water table. The Profiler was lowered inside the augers and driven from 70 to 82.6 feet bgs to collect the first groundwater sample. Groundwater samples were collected at 10-foot intervals from 82.6 to 102.6 feet bgs with the Profiler until the Profiler encountered refusal. Augers were advanced to 105 feet bgs and groundwater samples were collected at 10-foot intervals from 112.6 to 242.6 feet bgs with the Profiler until the Profiler encountered refusal a second time. Augers were advanced to 250 feet bgs and groundwater samples were collected at 252.6 and 272.6 feet bgs with the Profiler when the Profiler encountered refusal a third time. Augers were advanced to a final depth of 275 feet bgs. Profile P-9 was terminated on November 17, 2002, at 280 feet bgs due to a measurable clay layer. The Profiler was removed from the augers and the boring was abandoned by filling the borehole with grout as the augers were removed.

Profile P-10, located on the south-central boundary of the 70 Property, was started on November 3, 2002. Augers were advanced to 75 feet bgs, which is just above the water table. The Profiler was lowered inside the augers and driven from 75 to 77.7 feet bgs to collect the first groundwater sample. Groundwater samples were collected at 10-foot intervals from 77.7 to 226.7 feet bgs with the Profiler until the Profiler encountered refusal. Augers were advanced to 235 feet bgs and groundwater samples were collected at 10-foot intervals from 238.0 to 257.9 feet bgs and 264.5 feet bgs with the Profiler until the Profiler encountered refusal a second time. Augers were then advanced to a final depth of 265 feet bgs, but the Profiler was unable to collect a groundwater sample. Profile P-10 was terminated on November 7, 2002, at 265 feet bgs. The Profiler was removed from the augers and the boring was abandoned by filling the borehole with grout as the augers were removed.

Profile P-11, located southwest, was started on November 2, 2002. Augers were advanced to 70 feet bgs, which is just above the water table. The Profiler was lowered inside the augers and driven to from 70 to 87.0 feet bgs for the collection of the first groundwater sample. Groundwater samples were collected at 10-foot intervals from 87.0 to 137.4 feet bgs with the Profiler until the Profiler encountered refusal. Augers were advanced to 145 feet bgs and groundwater samples were collected at 10-foot intervals from 147.4 to 207.4 feet bgs with the Profiler until the Profiler encountered refusal a second time. Augers were advanced to a final depth of 210 feet bgs and groundwater

samples were collected at 10-foot intervals from 217.4 to 277.4 feet bgs and 281.1 feet bgs with the Profiler until the Profiler encountered refusal a third and final time. Profile P-11 was terminated on November 7, 2002, at 281.1 feet bgs. The Profiler was removed from the augers. Approximately 200 feet of augers broke off below grade and were abandoned by filling them with grout.

Profile P-12, located near the eastern boundary of the 100 Property, was started on November 13, 2002. Augers were advanced to 75 feet bgs, which is just above the water table. The Profiler was lowered inside the augers and driven from 75 to 78.9 feet bgs to collect the first groundwater sample. Groundwater samples were collected at 10-foot intervals from 78.9 to 146.4 feet bgs with the Profiler until the Profiler encountered refusal. Augers were advanced to 150 feet bgs and groundwater samples were collected at 157.8 and 167.8 feet bgs with the Profiler until the Profiler encountered refusal a second time. Augers were advanced to 175 feet bgs and a groundwater sample was collected at 180.3 feet bgs with the Profiler when the Profiler encountered refusal a third time. Augers were then advanced to 185 feet bgs and a groundwater sample was collected at 187.6 feet bgs with the Profiler when the Profiler encountered refusal a fourth time. Augers were advanced to 195 feet bgs and a groundwater sample was collected at 197.8 feet bgs with the Profiler when the Profiler encountered refusal a fifth time and final time. The Profiler was removed from the augers and the boring was abandoned by filling the borehole with grout as the augers were removed. A second attempt to complete P-12 was made a few feet from the first by advancing augers to 205 feet bgs. Groundwater samples were collected at 10-foot intervals from 207.4 to 297.1 feet bgs when the Profiler encountered refusal. Profile P-12 was terminated at 297.1 feet bgs on November 17, 2002. The Profiler was removed from the augers and the boring was abandoned by filling the borehole with grout as the augers were removed.

Profile P-13, located on the northwest side of the former GI property, was started on December 5, 2002. Augers were advanced to 70 feet bgs, which is just above the water table. The Profiler was lowered inside the augers and driven from 70 to 76.6 feet bgs to collect the first groundwater sample. Groundwater samples were collected at 10-foot intervals from 76.6 to 136.6 feet bgs with the Profiler until the Profiler encountered refusal. Augers were advanced to 145 feet bgs and groundwater samples were collected

at 146.6 and 156.6 feet bgs with the Profiler. The Profiler broke off the rods at 157 feet bgs. The boring was abandoned by filling the borehole with grout as the augers were removed. A second attempt to complete P-13 was made a few feet from the first by advancing augers to 155 feet bgs. Groundwater samples were collected at 10-foot intervals from 166.6 to 196.6 feet bgs with the Profiler until the Profiler encountered refusal. Augers were advanced to 205 feet bgs and groundwater samples were collected at 10-foot intervals from 206.6 to 237.3 feet bgs with the Profiler until the Profiler encountered refusal a second time. Augers were advanced to 245 feet bgs and a groundwater sample was collected at 247.3 feet bgs with the Profiler when the Profiler encountered refusal a third time. Augers were advanced to 255 feet bgs and groundwater samples were collected at 260.7 and 267.3 feet bgs. Profile P-13 was terminated at 279.4 feet bgs on December 12, 2002 because of refusal. The Profiler was removed from the augers and the boring was abandoned by filling the borehole with grout as the augers were removed.

Profile P-14, located on the north-central side of the former GI property south of the former lagoon owned by GI, was started on December 6, 2002. Augers were advanced to 70 feet bgs, which is just above the water table. The Profiler was lowered inside the augers and driven from 70 to 77.8 feet bgs to collect the first groundwater sample. Groundwater samples were collected at 10-foot intervals from 77.8 to 135.1 feet bgs with the Profiler until the Profiler encountered refusal. Augers were advanced to 140 feet bgs and groundwater samples were collected at 10-foot intervals from 145.0 to 195.4 feet bgs with the Profiler until the Profiler encountered refusal a second time. Augers were advanced to 195 feet bgs and groundwater samples were collected at 10-foot intervals from 204.7 to 234.9 feet bgs with the Profiler until the Profiler encountered refusal a third time. Augers were advanced to a final depth of 235 feet and a groundwater sample was collected 244.8 feet bgs. Profile P-14 was terminated on December 11, 2002 at 246.0 feet bgs due refusal. The Profiler was removed from the augers and the boring was abandoned by filling the borehole with grout as the augers were removed.

Profile P-16, located at the GCDR, was started on December 8, 2002. Augers were advanced to 70 feet bgs, which is just above the water table. The Profiler was lowered inside the augers and driven from 70 to 81 feet bgs to collect the first

groundwater sample. Groundwater samples were collected at 10-foot intervals from 81 to 141.0 feet bgs with the Profiler until the Profiler encountered refusal. Augers were advanced to 145 feet bgs and groundwater samples were collected at 10-foot intervals from 151.0 to 221.0 feet bgs with the Profiler until the Profiler encountered refusal a second time. Augers were advanced to a final depth of 225 feet bgs and groundwater samples were collected at 10-foot intervals from 231.0 to 251.0 feet bgs. Profile P-16 was terminated on December 12, 2002, at 251.0 feet bgs. The Profiler was removed from the augers and the boring was abandoned by filling the borehole with grout as the augers were removed.

At several Profiles, the hydrostatic pressure required the use of an auger plug, water, and bentonite slurry to prevent sand from filling the augers. However, the use of bentonite did not affect the integrity of the groundwater samples because the groundwater samples were collected after purging water from each interval and the field parameters had stabilized indicating the presence of native groundwater.

3.2.2 Groundwater Profile Sampling

Either a conventional auger drill rig specially outfitted with a hydraulic breaker hammer or a 6610 DT GeoProbe advanced the Profiler during this groundwater investigation. During Profiling, the IK and drive penetration rate were recorded as the profiling probe was advanced into the subsurface. The IK is an in-field relative hydraulic conductivity value produced by measuring the flow rate of distilled water pushed through the Profiler into the formation using a compressed nitrogen pressure source, divided by the corrected head (measured pressure – head loss due to friction). The index was plotted versus depth in real time using a computer interface. The depth was measured electronically using a string potentiometer mounted on the rig and connected to the data acquisition system. The flow and pressure were measured using an electronic pressure transducer and flow meter at the ground surface as distilled water was pumped into the formation while the Profiler was advanced.

The IK provided an indication of the zones of relatively high and low hydraulic conductivity. Profiling began at approximately 75 feet bgs since groundwater levels in on-Site monitoring wells ranged from 70 to 75 feet below grade.

As discussed above, groundwater available for sampling was only present within the saturated sediments. Based on the IK, the aquifer is generally uniform between the Profile locations. Therefore, groundwater samples were generally collected at ten-foot intervals. The sampling intervals were adjusted during profiling when refusal occurred.

Groundwater samples were collected following the equilibration of field parameters using an in-line flow-through cell. Once stable parameters were observed, groundwater samples were collected for on-Site lab analysis.

Groundwater samples were collected using the nitrogen gas-drive pump since all of the collected samples were from below the suction limit of the peristaltic pump. This method pushes groundwater using compressed nitrogen from the Profiler tip into the in-line sample containers. The system contains as many as four standard VOA vials connected in series using stainless steel tubing and specifically designed stainless steel VOA vial holders. This system was designed to mitigate losses of any VOCs by ensuring that no exposure to the atmosphere occurred while the samples were collected.

3.3 QUALITY ASSURANCE AND QUALITY CONTROL

The data was collected according to the quality assurance and quality control objectives outlined in the Quality Assurance Project Plan (QAPP) for this Site prepared by URS (URS, May 2002 (Revised September 2002)). The data meet the quality assurance objectives for each Data Quality Objective (DQO). URS prepared Data Usability Summary Reports (DUSR) to determine whether the data meet Site-specific criteria for data quality and use (Appendix C). The reports showed that the data were usable and appropriately qualified where needed. URS validated the data according to USEPA data validation guidelines, as shown in the QAPP.

More than ten percent of the groundwater samples collected from the Profiler were analyzed by STL for VOCs. When compared to the split-sample analyzed in the field by Stone Environmental, Inc., the results showed a strong correlation between the field and lab data. This is shown on Figure 3-1.

3.4 GROUTING

Profile boreholes were abandoned using a cement/bentonite grout. Initially, the Profile borings were grouted as the rods were removed. At times, however, the drive point would not release from the Profiler. In these instances, the drillers grouted the boreholes using a tremie pipe as the augers were removed. The Profile boreholes below the augers were allowed to collapse and fill with native materials.

3.5 DECONTAMINATION

Decontamination of the drilling and sampling equipment was conducted during the investigation. A decontamination pad was initially constructed on the south side of the 140 Property. The pad was later moved into the bay of the 100 Building. The decontamination pad was constructed to collect water from steam cleaning augers, Profile rods, and other drilling and Profiling equipment.

The monitoring well sampling equipment was decontaminated between sample locations by running a detergent and water solution through the pump and hose, after which rinse water was flushed through the system. Decontamination water was collected in 55-gallon steel drums and later pumped into an on-Site Baker tank for future testing and appropriate disposal.

3.6 DISPOSAL

Drill cuttings generated during drilling and piloting activities were placed in labeled 55-gallon drums and transported to a drum storage area. These drums were scanned in the field for the presence of greater than background concentrations of radiation. If no elevated counts were measured, the drums were tipped into one of the on-Site roll-off boxes. The material in these roll-offs were characterized and disposed of according to federal, state, and local regulations.

3.7 SURVEYING

During the investigation, Rybinski Land Surveying, a New York State licensed land surveyor, surveyed the location and elevation of all investigation sampling points. The survey was conducted so that the spatial relationships between the investigation points and the Site features were recorded as the investigation progressed and to aid in locating subsequent sampling locations.

4.0 NATURE AND EXTENT OF CONTAMINATION

4.1 VOC SOURCE AREAS

Based on the results of further soil investigations, principal PCE source areas are located east and southeast of the 140 Building, east of the 100 Building, and south of the 100 Building. The principal TCE source areas are located in relatively small areas east of the 140 Building and south of the 100 Building. The data used to support these conclusions will be presented under separate cover. These areas will be excavated as described in the Soils Remediation Work Plan (URS, January 2002, (Revised October 2002)).

4.2 GROUNDWATER QUALITY DISTRIBUTION

This report discusses the nature and extent of the groundwater quality data gathered to date. The interpretation of this data will be included in a report submitted following our next phase of investigation. The analytical results (Stone Environmental, Inc.) of groundwater samples collected from Profiles are in Table 4-1. The analytical results (STL) of confirmatory groundwater samples collected from Profiles are in Table 4-2. The analytical results of the groundwater samples collected from monitoring wells are in Table 4-3.

4.2.1 Distribution of PCE

Analytical data for groundwater collected from 15 Profiles (Table 4-1) showed that PCE was detected in 174 groundwater samples from 14 of the 15 Profiles. The concentration of PCE ranged from non-detect to 22,000 ug/L. The concentration of PCE in groundwater samples collected from the 140 Property (P-1, P-2, P-3, P-7, and P-8) ranged from non-detect to 89 ug/L (P-2 at 89.3 feet bgs). The concentration of PCE in groundwater samples collected from the west-central portion of the 100 and 70 Properties (P-4, P-11, MW-1, MW-3, and MW-8) ranged from non-detect to 140 ug/L (P-11 at 97.4 feet bgs). The concentration of PCE in groundwater samples collected from the eastern

portion of the 100 and 70 Properties (P-5, P-6, P-9, P-10, P-12, MW-2, MW-5, MW-6, MW-9, MW-10, MW-11, and MW-12) ranged from non-detect to 5,600 ug/L (P-6 at 82.8 feet bgs). The highest concentration of PCE was detected in P-16 at 81 feet bgs (22,000 ug/L).

Figure 4-6 shows a plan view map of the distribution of PCE in groundwater at the water table. This figure shows the highest concentration of PCE was detected near P-6 and P-12 near the eastern property boundary. Figures 4-7 and 4-8 show cross-section views and Figure 4-9 shows a three-dimensional view of the PCE plume at the Site. These figures show that most of the mass of PCE is within the initial 50 feet of the aquifer. This is shown in Figures 4-7, 4-8, and 4-9 and in Profiles P-6 and P-9 on Figure 4-4. A small amount of mass (up to 20 ug/L) extends over one hundred feet beneath this area, but the concentration of PCE is much lower than the initial 50 feet of the aquifer. This is shown in Profiles P-6, P-9, and P-16 on Figures 4-4 and 4-5. These figures show that the bulk of the mass of PCE is in the east-central and southeastern portions of the site. These figures also show that the PCE plume is moving to the southeast.

4.2.2 Distribution of TCE

Figures 4-2 through 4-5 show that TCE was detected in 88 groundwater samples from 14 of the 15 Profiles. The concentration of TCE ranged from non-detect to 720 ug/L (P-11 at 177.4 feet bgs) in groundwater samples collected during this investigation. The concentration of TCE in groundwater samples collected from the 140 Property (P-1, P-2, P-3, P-7, and P-8) ranged from non-detect to 9 ug/L (P-8 at 227.6 feet bgs). The concentration of TCE in groundwater samples collected from the west-central portion of the 100 and 70 Properties (P-4, P-11, MW-1, MW-3, and MW-8) ranged from non-detect to 720 ug/L (P-11 at 177.4 feet bgs). The concentration of TCE in groundwater samples collected from the eastern portion of the 100 and 70 Properties (P-5, P-6, P-9, P-10, P-12, MW-2, MW-5, MW-6, MW-9, MW-10, MW-11, and MW-12) ranged from non-detect to 100 ug/L (P-12 at 78.9 feet bgs). The concentration of TCE in groundwater samples collected from P-13 ranged from non-detect to 330 ug/L (260.7 feet bgs). Most of the mass of TCE at this location was detected 130 feet below the water table.

Figure 4-10 shows a plan view of the distribution of TCE at the water table. Figure 4-11 and 4-12 show cross-sectional views and Figure 4-13 shows a three-dimensional view of the distribution of TCE at the Site. These figures show that most of the mass of TCE is in the upper 25 to 50 feet of the aquifer. These figures also show that TCE enters the site from the north-northwest.

4.2.3 Distribution of Cis-1,2-Dichloroethene

Cis-1,2-DCE was detected in only 24 groundwater samples from 8 Profiles at concentrations ranged from non-detect to 150 ug/L. The highest concentrations were detected in groundwater samples collected from Profile P-16 at 81 ft bgs, which is immediately below the water table. Cis-1,2-DCE was not detected in Profiles P-1, P-2, P-6, P-7, P-8, P-9, and P-10.

4.2.4 Distribution of Vinyl Chloride

Vinyl chloride was detected on the Site in only five groundwater samples from Profiles P-2, P-8, and P-12. The highest concentrations were found in Profile P-12 (11 ug/L) at 180 ft bgs, which is approximately 103 feet below the water table.

4.2.5 Distribution of Dichlorobenzene

1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene were not detected in groundwater samples collected during this investigation. Therefore, it is not a constituent of concern at the Site.

4.2.6 Distribution of Total Chlorine

Total chlorine was detected in 249 of 315 groundwater samples collected from 15 Profiles. Concentrations of total chlorine ranged from non-detect to 1.74 mg/L. Highest concentrations were detected at Profile P-01 at 286 ft bgs (1.31 mg/L), and at Profile P-12 at 257 ft bgs (1.74 mg/L). Values exceeding 0.30 mg/L are widely distributed with the highest occurrences at approximately 100 and 200 ft bgs.

4.2.7 Distribution of Chloride

Chloride was detected in 310 of 315 groundwater samples collected from 15 Profiles. Concentrations of chloride ranged from non-detect to 1,040 mg/L. Highest concentrations (>500 mg/L) were detected at Profiles P-3, P-5, P-6, P-9, P-10, and P-12, at approximately 190 to 290 ft bgs.

4.2.8 Distribution of Ammonia

Ammonia was detected in all but two (P-2 at 78.2 feet and P-12 at 157.8 feet) of the 315 groundwater samples collected from 15 Profiles. Concentrations of ammonia range up to 5.25 mg/L. High ammonia concentrations (>0.30 mg/L) occur in two areas, the northeast corner of the property and the southern third of the property.

4.2.9 Distribution of Total Iron

Total iron was detected in all but one (P-2 at 139.9 feet) of the 315 groundwater samples collected from 15 Profiles. Concentrations of total iron ranged from non-detect to 22 mg/L. The highest concentrations were detected at Profiles P-05, P-08, and P-10 at approximately 190 to 290 ft bgs, and at Profiles P-07, P-08, and P-14 at approximately zero to 190 ft bgs.

4.2.10 Distribution of Ferrous Iron (Fe^{+2})

Soluble ferrous iron (Fe^{+2}) was detected in all but three (P-2 at 302 feet bgs, P-9 at 222.6 ft bgs, and P-12 at 157.8 ft bgs) of the 315 groundwater samples collected from 15 Profiles. Concentrations of Fe^{+2} range from non-detect to 21 mg/L. The highest concentrations were detected at Profiles P-05, P-08, and P-10 at approximately 190 to 290 ft bgs, and at Profiles P-07, P-08, P-11, and P-14 at approximately zero to 190 ft bgs.

4.2.11 Field Measured Parameters

Specific conductance, pH, DO, and ORP were measured at 10 ft intervals within the saturated zone in each Profile (Table 4-4). These results showed that the specific conductance data are consistent with the chloride concentrations in groundwater samples collected at each sampling interval. The pH measurements ranged from 5.27 to 7.84. The DO and ORP data were compared to the organic data to determine if the aquifer is

aerobic or anaerobic. A review of the data showed that the aquifer is generally aerobic with DO ranging from 0.20 to 16.80 mg/L. The ORP ranges from -395 to 339 mV.

4.2.12 Metals

Two groundwater samples were collected from each Profile and one groundwater sample was collected from each monitoring well and analyzed by STL laboratory for selected metals including beryllium, chromium, copper, nickel, and thallium (Table 4-5). Groundwater samples that had a turbidity of greater than 50 nephelometric turbidity units (NTUs) were filtered. The results showed that beryllium, chromium, copper, and nickel were detected in the groundwater at the Site. The analytical results were compared to background concentrations represented by the groundwater samples collected from P-1 and P-7, which are located along the northern upgradient boundary of the 140 Property (Table 4-5). The concentrations of beryllium and chromium were not substantially higher than background concentrations and represented the natural variability of these constituents in groundwater. Copper was detected in two groundwater samples (P-12 at 603 ug/L and P-14 at 217 ug/L) above background concentrations and above the NYSDEC GQS of 200 ug/L. However, the sample was not filtered and could have been affected by particulate material in the groundwater sample. Nickel was detected in groundwater samples collected from P-1, P-2, P-4, P-5, and P-8 at concentrations (101 to 2,580 ug/L) that are higher than the NYSDEC GQS (100 ug/L). However, the unfiltered sample results probably represent the natural variability of nickel in groundwater. The results from the filtered sample collected from P-2 is suspect because it is higher in concentration than the duplicate non-filtered sample. Only one filtered groundwater reliable sample result contained nickel above the NYSDEC GQS (P-4). This result also represents the natural variability of nickel in groundwater. Therefore, no metals should be added to the constituents of concern for this site.

4.2.13 Radionuclides

Groundwater samples (unfiltered) collected from twelve monitoring wells (MW-1 through MW-12) and from 15 Profiles were analyzed for K-40, Cs-137, Ac-228, Pb-212, and Pb-214 by gamma spectroscopy. Groundwater samples collected from P-2, P-6, P-7,

and P-11 were analyzed for isotopic uranium and thorium (Table 4-6). Groundwater samples (filtered) collected from P-1, P-2, P-3, P-7, P-13, P-14, and P-16 were analyzed by gamma spectroscopy (Table 4-7).

The uranium results were compared to the federal maximum contaminant levels (MCLs) in groundwater. The results show that uranium was not detected in groundwater samples above the MCL for groundwater (15 pCi/L). Based on the results, radionuclides do not appear to be a constituent of concern in groundwater at this site.

Isotopic Uranium Radionuclide Concentrations

Groundwater samples (filtered) collected from four Profiles (P-2, P-6, P-7, and P-11) were analyzed for isotopic uranium. The radionuclide concentrations ranged from 0.07 to 2.69 pCi/L for ^{234}U , from non-detect to 0.14 pCi/L for ^{235}U , and from 0.038 to 2.43 pCi/L for ^{238}U . Radionuclide peaks were identified in P-2, P-6, P-7 (102.4 ft bgs), and P-11 (107.4 ft bgs) for ^{234}U , in P-6 (82.8 ft bgs) and P-6 DUP (102.8') for ^{235}U , and in P-2 (except 78.5 ft bgs dis.), P-6, P-6 DUP, P-7 (82.4 ft bgs), and P-11 (102.8 ft bgs) for ^{238}U .

Isotopic Thorium Radionuclide Concentrations

Groundwater samples were analyzed for isotopic thorium from four Profiles (P-2, P-6, P-7, and P-11). The ^{228}Th radionuclide is a progeny of the ^{232}Th decay chain and is expected to be found at similar concentrations due to secular equilibrium. The radionuclide concentrations ranged from non-detect to 0.41 pCi/L for ^{228}Th , from 0.27 to 1.16 pCi/L for ^{230}Th , and from non-detect to 0.21 pCi/L for ^{232}Th . Radionuclide peaks were identified in P-11 (107.4 ft bgs) for ^{228}Th , in P-2 (except 78.5 ft bgs dis.), P-6, P-6 DUP, P-7, and P-11 for ^{230}Th , and in P-6 (82.8 ft bgs) for ^{232}Th .

Gamma Spectroscopy Radionuclide Concentrations

The K-40 concentrations ranged from non-detect to 64 pCi/L. This radionuclide, which is naturally occurring and found at low concentrations, is not associated with site related contaminants (e.g., uranium and thorium series radionuclides). Therefore, it does not appear indicative of groundwater contamination due to site related activities.

Similarly, Cs-137, which is a fission product found in nature due to the fallouts from the aboveground nuclear testing performed circa 1957, is detected in groundwater at very low concentrations (e.g., 5.9 pCi/L. maximum) and is not associated with site related contaminants. Therefore, it is not indicative of groundwater contamination due to site related activities.

The ^{228}Ac and ^{212}Pb radionuclides, which are expected to be found at similar concentrations, are also a progeny of the ^{232}Th decay chain and are expected to be found at similar concentrations as their parent ^{232}Th . ^{212}Pb was not detected in any groundwater samples. ^{228}Ac was detected in groundwater samples collected from P-10 (77.6 ft bgs) at 14 pCi/L, which is above the minimum detectable concentration (MDC).

The ^{214}Pb radionuclide is a progeny of the ^{238}U decay chain and is expected to be found at similar concentrations as its parent ^{238}U , assuming the secular equilibrium was not disturbed via thorium chemical extractions. ^{214}Pb ranged in concentration from non-detect to 20 pCi/L. One identified peak with the maximum concentration was detected in P-14 (77.82 ft bgs).

5.0 CONCLUSIONS

The text below describes the completion of the objectives outlined in Section 1.0.

1. Objective: Identify if sources of chlorinated VOCs exist at the Site.

The field investigation described herein shows the location of on-Site sources of PCE and TCE.

2. Objective: Determine the extent of chlorinated VOCs in the on-Site groundwater.

The analytical results of groundwater samples collected from the Profiles and monitoring wells were used to define the extent of PCE and TCE in on-Site groundwater. Based on these data, the horizontal extent of groundwater containing PCE and TCE has been defined on-Site.

3. Objective: Identify if radionuclides and metals should be included as groundwater constituents of concern.

The analytical results of groundwater samples collected from the Profiles and monitoring wells were used to determine if metals and radionuclides should be included as groundwater constituents of concern. The results show that radionuclides and metals should not be added to the list of groundwater constituents of concern.

4. Objective: Assess groundwater quality conditions on-Site in areas not currently monitored.

The analytical results of groundwater samples collected from Profiles were used to monitor the groundwater quality in areas not monitored in past investigations. These data suggest that PCE and TCE are migrating off-site.

5. **Objective:** Evaluate if there is any relationship between the data from the Site, GI, and surrounding areas.

The analytical results of groundwater samples collected from Profiles and monitoring wells were used to determine if there is a relationship between the data collected from the Site, GI, and surrounding areas. These data show that there is good agreement between data collected during this investigation and previous investigations conducted at the Site. However, these data show that PCE and TCE in the east-central portions of the Site are flowing to the southeast not south as shown by investigations at GI.

6. **Objective:** Confirm existing data.

The analytical results of groundwater samples collected from Profiles and monitoring wells were used to confirm existing groundwater quality data. The results of this investigation confirm the existing data collected at the Site. However, these data also show that the PCE plume migrates to the southeast towards the GCDR and that TCE migrates onto the Site from the North/Northwest.

7. **Objective:** Evaluate groundwater flow dynamics.

Water level measurements collected during this investigation are presented on Figure 2-4. This data was used to evaluate the groundwater flow dynamics as discussed in Section 2.0. These data show that there is a southeasterly component of groundwater flow in the east-central portion of the Site.

6.0 RECOMMENDATIONS FOR FUTURE WORK

GTEOSI will conduct an additional phase of investigation to assess the groundwater characteristics off-site using methods and procedures that are consistent with the on-Site investigation. Profiles will be advanced at 10-foot intervals below the water table at 12 locations as shown on Figure 6-1. Each groundwater sample will be analyzed on-Site by Stone Environmental, Inc. so the field team will be able to determine when they have reached the bottom of the groundwater plume and make real-time decisions on the next Profile location. Ten percent of the samples will be sent to the off-site laboratory (STL) and analyzed for VOCs by method 8260B. Pending access approval, the rationale for each Profile is described below.

Profile No.	Description
P-15	Assess the groundwater quality south of P-9
P-17	Assess the groundwater quality east of P-16.
P-18	Assess the groundwater quality upgradient of P-11 and P13.
P-19	Assess the groundwater quality upgradient of P-7.
P-20	Assess the groundwater quality along West John Street south of Site.
P-21	Assess the groundwater quality along West John Street southeast of the Site.
P-22	Assess the groundwater quality at the eastern edge of the plume along West John Street, if needed.
P-23	Assess the groundwater quality along Duffy Street south of the Site.
P-24	Assess the groundwater quality along Duffy Street southeast of the Site.
P-25	Assess the groundwater quality along Duffy Street southeast of the Site.
P-26	Assess the groundwater quality north of P-11 and P-13.
P-27	Assess the groundwater quality northeast and upgradient of P-13.

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TABLES

Table 2-1
Groundwater Elevations
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

Well ID	X Coordinate	Y Coordinate	Top Of Casing	Ground Surface Elevations	Total Depth	Depth to Water Measurements	Water Elevations	Notes:
MW-01	1109064.472	219282.257	142.68	142.97	77.18	74.61	68.07	4" well w/1/2" HDPE Tubing
MW-02	1109131.415	219286.975	142.36	143.08	77.40	NG	--	4" well w/1/2" HDPE Tubing
MW-03	1108996.559	219001.764	141.10	141.38	77.45	73.25	67.85	4" well w/1/2" HDPE Tubing
MW-04	1109103.670	219031.256	140.71	141.08	76.55	72.83	67.88	4" well w/1/2" HDPE Tubing
MW-05	1109234.578	219246.847	142.29	142.49	77.20	74.22	68.07	1/2" HDPE Tubing
MW-06	1109255.774	219238.973	142.45	142.68	132.98	NG	--	1/2" HDPE Tubing
MW-07	1109357.781	219468.629	143.09	143.22	80.50	74.93	68.16	1/2" HDPE Tubing
MW-08	1109059.488	219009.276	140.90	141.22	130.25	73.03	67.87	1/2" HDPE Tubing
MW-09	1109194.595	219035.888	141.57	141.80	85.20	73.67	67.90	1/2" HDPE Tubing
MW-10	1109217.752	219038.580	141.45	141.82	130.00	73.56	67.89	1/2" HDPE Tubing
MW-11	1109296.830	219077.830	141.75	141.88	79.93	73.84	67.91	1/2" HDPE Tubing
MW-12	1109303.160	219057.511	142.28	142.48	129.50	74.39	67.89	1/2" HDPE Tubing
W-24 (DPW)	1108964.960	219908.340	144.33	144.57	87.05	75.86	68.47	
W-25 (DPW)	1109060.960	219959.710	144.70	145.05	84.21	76.46	68.24	

Notes:

NM - Not Measured

NG - Not Gauged

- all measurements are in feet

- depth to water measurements were collected December, 2002

- all data included in this table has been provided by URS Corporation.

SYL00108038

Table 4-1
Groundwater Profile Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-01

VOC DATA, ug/L												INORGANIC DATA, mg/L					
Depth	Elevation (ft amsl)	Vinyl Chloride	trans- Dichloroethene	cis- Dichloroethene	Trichloroethene	Tetrachloroethene	% SS	Fe ²⁺	Total Fe	Ammonia	Chloride	Total Chlorine					
78.7	65.79	1	U	1	U	1	U	7	1	U	88	0.84	1.18	0.05	183	0.26	
88.7	55.80	1	U	1	U	1	U	1	1	U	94	0.55	0.56	0.05	321	0.03	
98.7	45.78	1	U	1	U	1	U	1	1	U	89	0.20	0.22	0.04	275	0.02	
108.2	36.31	1	U	1	U	1	U	1	1	U	92	NS	NS	NS	NS	NS	
117.6	26.93	1	U	1	U	1	U	1	1	U	92	0.24	0.80	0.07	221	0.02	
127.6	16.90	1	U	1	U	1	U	1	1	U	82	0.33	0.27	0.11	40	ND	
137.6	6.88	1	U	1	U	1	U	1	1	U	93	0.24	0.43	0.09	89	ND	
147.1	-2.62	1	U	1	U	1	U	1	1	U	101	0.08	0.19	0.05	48	ND	
157.3	-12.76	1	U	1	U	1	U	1	1	U	99	0.27	0.87	0.22	97	0.15	
167.2	-22.73	1	U	1	U	1	U	1	1	U	104	0.09	0.23	0.18	363	0.09	
177.2	-32.71	1	U	1	U	1	U	1	1	U	87	0.02	0.09	0.05	227	0.04	
187.2	-42.71	1	U	1	U	1	U	1	1	U	88	0.04	0.03	0.06	27	ND	
197.6	-53.11	1	U	1	U	1	U	1	1	U	82	0.47	1.99	0.40	42	ND	
207.3	-62.78	1	U	1	U	1	U	1	1	U	84	0.12	1.16	0.16	38	ND	
217.1	-72.62	1	U	1	U	1	U	1	1	U	82	0.02	0.22	0.06	35	ND	
229.1	-84.65	1	U	1	U	1	U	1	1	U	79	0.14	0.50	0.21	42	ND	
237.5	-93.01	1	U	1	U	1	U	1	1	U	79	0.23	0.56	0.31	43	ND	
245.0	-100.54	1	U	1	U	1	U	1	1	U	82	0.21	0.90	0.42	50	0.43	
257.6	-113.08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
266.5	-122.01	1	U	1	U	1	U	1	1	U	79	0.39	14	14*	24	ND	
276.5	-132.00	1	U	1	U	1	U	1	1	U	76	0.36	2.68	5.0*	26	ND	
286.5	-142.01	1	U	1	U	1	U	1	1	U	81	0.23	0.95	0.33*	30	1.31	
301.2	-156.67	1	U	1	U	1	U	1	1	U	92	0.41	1.53	0.53*	34	0.12	

Date Sampled: 10/15-10/22/02
Date Analyzed: 10/15-10/23/02

Samples with >100 ppb total VOC's cannot be run on a carboxen fiber and will have detection limits of 20 ppb
U = Undetected below the specified reporting limit.

%SS = Surrogate Recovery

ND = Value below detection limit.

NS = Not Sampled

* Ammonia test results elevated by high degree of sample turbidity.

† Sample did not have enough volume to run at 1 ppb detection limit.

SYL00108039

Table 4-1
Groundwater Profile Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-02

VOC DATA, ug/L											INORGANIC DATA, mg/L							
Depth	Elevation (ft amsl)	Vinyl Chloride	trans- Dichloroethene			cis- Dichloroethene			Trichloroethene		Tetrachloroethene		% SS	Fe ⁺²	Total Fe	Ammonia	Chloride	Total Chlorine
78.2	66.08	1		1	U		1	U		1	U	43		99	0.28	0.73	ND	ND
89.3	55.00	1	U		U		1	U		1	U	89		102	0.43	0.29	0.12	ND
98.8	45.46	1	U		U		1	U		1	U	1	U	92	0.10	0.23	0.12	145
109.4	34.88	1	U		U		1	U		1	U	1	U	85	NS	NS	NS	NS
118.6	25.67	1	U		U		1	U		1	U	1	U	91	0.02	0.14	0.06	84
129.0	15.23	1	U		U		1	U		1	U	1	U	94	0.04	0.07	0.06	163
139.9	4.40	1	U		U		1	U		1	U	1	U	89	0.03	ND	0.06	66
149.5	-5.25	1	U		U		1	U		1	U	1	U	107	0.04	0.20	0.10	148
159.9	-15.64	1	U		U		1	U		1	U	1	U	96	0.06	0.12	0.12	126
170.3	-26.07	1	U		U		1	U		1	U	1	U	96	0.04	0.14	0.10	48
181.5	-37.20	1	U		U		1	U		1	U	1	U	113	0.13	0.20	0.35	162
190.0	-45.75	1	U		U		1	U		1	U	1	U	90	0.10	0.31	0.31	48
200.0	-55.74	1	U		U		1	U		1	U	1	U	92	0.12	0.43	0.44	48
207.9	-63.62	1	U		U		1	U		1	U	1	U	98	0.39	0.71	0.12	47
217.8	-73.59	1	U		U		1	U		1	U	1	U	98	0.60	0.95	0.30	63
228.0	-83.78	1	U		U		1	U		1	U	1	U	99	0.40	0.55	0.07	132
238.0	-93.79	1	U		U		1	U		1	U	1	U	101	0.73	2.75	0.44	261
248.1	-103.80	1	U		U		1	U		1	U	1	U	102	0.56	0.85	0.24	280
258.2	-113.97	1	U		U		1	U		1	U	1	U	95	0.13	0.26	0.22	325
266.6	-122.30	1	U		U		1	U		1	U	1	U	92	0.30	0.39	0.49	38
277.1	-132.85	1	U		U		1	U		1	U	1	U	92	0.07	0.25	0.20	24
287.1	-142.85	1	U		U		1	U		1	U	1	U	94	0.10	0.23	0.27	21
297.1	-152.85	1	U		U		1	U		1	U	1	U	95	0.32	0.71	0.71	23
302.1	-157.80	1	U		U		1	U		1	U	1	U	97	ND	0.39	1.05	27

Date Sampled: 10/15-10/20/02, 11/21-12/05/02

Date Analyzed: 10/15-10/20/02, 11/21-12/05/02

Samples with >100 ppb total VOC's cannot be run on a carboxen fiber and will have detection limits of 20 ppb

U = Undetected below the specified reporting limit.

%SS = Surrogate Recovery

ND = Value below detection limit.

NS = Not Sampled

* Ammonia test results elevated by high degree of sample turbidity.

† Sample did not have enough volume to run at 1 ppb detection limit

SYL00108040

Table 4-1
Groundwater Profile Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-03

VOC DATA, ug/L											INORGANIC DATA, mg/L						
Depth	Elevation (ft amsl)	Vinyl Chloride		trans- Dichloroethene		cis- Dichloroethene		Trichloroethene		Tetrachloroethene		% SS	Fe ⁺²	Total Fe	Ammonia	Chloride	Total Chlorine
87.4	55.8	1	U	1	U	1	U	1		31		105	1.13	1.5	0.26	14	0.06
97.4	45.8	1	U	1	U	1	U	2		21		103	0.38	0.62	0.30	13	0.02
107.4	35.8	1	U	1	U	1		3		11		100	0.81	1.86	1.44	45	0.15
117.4	25.8	1	U	1	U	1	U	1	U	5		104	0.95	2.14	0.66	58	0.15
127.4	15.8	1	U	1	U	1	U	1	U	1	U	103	0.31	2.24	0.07	452	0.18
137.4	5.8	1	U	1	U	1	U	1	U	1	U	103	0.52	2.54	0.58	461	0.33
147.4	-4.2	1	U	1	U	1	U	1	U	1	U	98	0.78	0.87	0.12	359	0.01
157.4	-14.2	1	U	1	U	1	U	1	U	1	U	92	0.66	0.79	0.07	354	ND
167.4	-24.2	1	U	1	U	1	U	1	U	1	U	96	0.46	0.71	0.09	390	0.02
177.4	-34.2	1	U	1	U	1	U	1	U	1	U	100	0.52	0.59	0.05	499	ND
187.4	-44.2	1	U	1	U	1	U	1	U	1	U	89	0.14	0.23	0.07	393	ND
197.4	-54.2	1	U	1	U	1	U	1	U	1	U	103	0.28	0.36	0.03	494	ND
207.4	-64.2	1	U	1	U	1	U	1	U	1	U	94	0.38	0.48	0.05	384	ND
217.4	-74.2	1	U	1	U	1	U	1	U	1	U	98	0.64	1.09	0.35	287	0.13
227.4	-84.2	1	U	1	U	1	U	1	U	1	U	101	0.59	1.28	0.29	275	0.09
237.4	-94.2	1	U	1	U	1	U	1	U	1	U	102	0.50	0.66	0.06	328	0.01
247.4	-104.2	1	U	1	U	1	U	1	U	1	U	95	0.21	0.74	0.21	480	0.09
257.4	-114.2	1	U	1	U	1	U	1	U	1	U	93	0.40	0.92	0.30	710	0.14
267.4	-124.2	1	U	1	U	1	U	1	U	1	U	98	0.51	0.66	0.07	810	ND
277.4	-134.2	1	U	1	U	1	U	1	U	1	U	97	0.40	0.62	0.07	1002	ND
287.4	-144.2	1	U	1	U	1	U	1	U	1	U	107	0.10	0.28	0.06	650	ND
297.4	-154.2	1	U	1	U	1	U	1	U	1	U	110	0.34	0.50	0.23	692	ND
302.4	-159.2	1	U	1	U	1	U	1	U	1	U	104	0.90	1.29	0.60	608	0.15

Date Sampled: 11/18-11/21/02

Date Analyzed: 11/18-11/21/02

Samples with >100 ppb total VOC's cannot be run on a carboxen fiber and will have detection limits of 20 ppb

U = Undetected below the specified reporting limit.

%SS = Surrogate Recovery

ND = Value below detection limit.

NS = Not Sampled

* Ammonia test results elevated by high degree of sample turbidity.

† Sample did not have enough volume to run at 1 ppb detection limit

SYL00108041

Table 4-1
Groundwater Profile Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-04

VOC DATA, ug/L												INORGANIC DATA, mg/L					
Depth	Elevation (ft amsl)	Vinyl Chloride		trans-Dichloroethene		cis-Dichloroethene		Trichloroethene		Tetrachloroethene		% SS	Fe ⁺²	Total Fe	Ammonia	Chloride	Total Chlorine
77.5	64.79	1	U	1	U	1	U	7		32		97	0.14	0.31	0.02	10	ND
87.4	54.84	1	U	1	U	1	U	4		39		82	0.15	0.27	0.16	15	ND
97.2	45.07	1	U	1	U	1	U	2		67		81	0.19	0.37	0.04	31	ND
106.74 ¹	35.50	20	U	20	U	20	U	20	U	20	U	80	0.61	1.26	0.55	41	ND
117.3	24.99	1	U	1	U	3		46		2		87	0.58	0.71	0.01	46	ND
127.4	14.83	20	U	20	U	22		270		20	U	84	0.44	0.75	0.11	76	0.02
137.5	4.77	20	U	20	U	21		150		20	U	86	0.53	0.65	0.07	79	0.01
147.6 ¹	-5.36	20	U	20	U	20	U	20	U	20	U	86	1.03	1.12	0.05	71	ND
157.6	-15.39	1	U	1	U	1		12		1		91	0.36	0.85	0.12	102	0.02
167.6	-25.31	1	U	1	U	2		18		1		78	0.39	0.66	0.22	99	0.06
177.5	-35.26	1	U	1	U	1	U	1	U	1	U	97	0.15	0.26	0.07	108	ND
187.5	-45.26	1	U	1	U	1	U	1	U	1	U	92	0.19	0.33	0.08	70	0.03
197.7	-55.41	1	U	1	U	1	U	1	U	1	U	95	0.37	0.45	0.05	136	0.01
207.7	-65.49	1	U	1	U	1	U	1	U	1	U	95	0.30	0.42	0.05	97	0.01
217.7	-75.41	1	U	1	U	1	U	1	U	1	U	105	0.34	0.43	0.09	192	0.05
227.8	-85.51	1	U	1	U	1	U	1	U	1	U	97	0.60	0.79	0.11	222	0.06
237.8	-95.51	1	U	1	U	1	U	1	U	1	U	98	0.59	0.66	0.02	315	0.02
247.8	-105.51	1	U	1	U	1	U	1	U	1	U	90	0.37	0.70	0.30	369	0.09
257.9	-115.61	1	U	1	U	1	U	1	U	1	U	93	0.29	0.97	0.33	333	0.23
267.9	-125.61	1	U	1	U	1	U	1	U	1	U	94	0.48	0.60	0.09	468	0.02
277.9	-135.61	1	U	1	U	1	U	1	U	1	U	95	0.46	0.66	0.20	453	0.04

Date Sampled: 10/28-11/02/02
Date Analyzed: 10/28-11/02/02

Samples with >100 ppb total VOC's cannot be run on a carboxen fiber and will have detection limits of 20 ppb

U = Undetected below the specified reporting limit.

%SS = Surrogate Recovery

ND = Value below detection limit.

NS = Not Sampled

* Ammonia test results elevated by high degree of sample turbidity.

¹ Sample did not have enough volume to run at 1 ppb detection limit

SYL00108042

Table 4-1
Groundwater Profile Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-05

VOC DATA, ug/L											INORGANIC DATA, mg/L					
Depth	Elevation (ft amsl)	Vinyl Chloride		trans-Dichloroethene		cis-Dichloroethene		Trichloroethene		Tetrachloroethene	% SS	Fe ⁺²	Total Fe	Ammonia	Chloride	Total Chlorine
77.5	66.79	20	U	20	U	20	U	21		1,400	87	0.18	0.25	0.04	ND	ND
87.5	56.79	20	U	20	U	20	U	20	U	340	86	0.41	0.80	0.29	12	ND
97.5	46.79	1	U	1	U	1		7		49	82	0.13	0.27	0.09	ND	0.03
107.5	36.79	20	U	20	U	20	U	20	U	140	83	0.33	0.54	0.14	ND	0.03
117.3	27.04	1	U	1	U	1	U	1	U	55	78	0.27	0.48	0.11	129	0.03
127.5	16.79	1	U	1	U	1	U	1	U	11	85	0.27	0.48	0.04	173	0.01
137.5	6.79	1	U	1	U	1	U	1		22	84	0.17	0.27	0.05	185	0.01
147.5	-3.21	1	U	1	U	1	U	3		17	85	0.57	0.72	0.12	214	0.03
157.5	-13.21	1	U	1	U	1	U	1	U	3	88	0.54	0.71	0.12	230	0.03
167.5	-23.21	1	U	1	U	1	U	1		9	85	0.84	0.97	0.11	314	0.05
177.5	-33.21	1	U	1	U	2		7		26	71	0.65	0.77	0.06	332	0.03
187.5	-43.21	1	U	1	U	1	U	2		13	88	0.59	0.73	0.08	350	0.04
197.4	-53.11	1	U	1	U	1	U	1	U	7	74	0.61	0.69	0.09	422	0.01
207.4	-63.11	1	U	1	U	1	U	1	U	2	75	0.31	0.39	0.04	431	0.02
217.4	-73.11	1	U	1	U	1	U	1	U	1	82	0.01	0.12	0.05	445	0.01
227.4	-83.11	1	U	1	U	1	U	1	U	1	96	0.31	0.41	0.03	485	0.02
237.4	-93.11	1	U	1	U	1	U	1	U	1	96	0.59	0.79	0.08	541	0.07
247.4	-103.11	1	U	1	U	1	U	1	U	1	92	0.69	1.13	0.13	360	0.09
262.5	-118.21	1	U	1	U	1	U	1	U	1	96	1.05	4.25	1.56	715	0.37
272.4	-128.11	1	U	1	U	1	U	1		10	94	0.55	3.14	0.70	850	0.18
282.4	-138.11	1	U	1	U	1	U	1	U	110	99	0.47	1.20	0.50	650	0.13
292.4	-148.11	1	U	1	U	1	U	3		15	99	1.22	1.55	0.26	1040	0.08
299.0	-154.73	1	U	1	U	1	U	1	U	8	93	1.14	2.70	0.78	810	0.28

Date Sampled: 10/28-11/02/02

Date Analyzed: 10/28-11/02/02

Samples with >100 ppb total VOC's cannot be run on a carboxen fiber and will have detection limits of 20 ppb

U = Undetected below the specified reporting limit.

%SS = Surrogate Recovery

ND = Value below detection limit.

NS = Not Sampled

* Ammonia test results elevated by high degree of sample turbidity.

† Sample did not have enough volume to run at 1 ppb detection limit

SYL00108043

Table 4-1
Groundwater Profile Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-06

VOC DATA, ug/L										INORGANIC DATA, mg/L				
Depth	Elevation (ft amsl)	Vinyl Chloride	trans- Dichloroethene	cis- Dichloroethene	Trichloroethene	Tetrachloroethene	% SS	Fe ⁺²	Total Fe	Ammonia	Chloride	Total Chlorine		
82.8	60.39	20	U	20	U	28		5,600	103	1.89	1.96	0.07	9.00	0.15
92.8	50.39	20	U	20	U	20	U	1,800	106	1.09	1.24	0.09	7.75	0.27
102.8	40.39	20	U	20	U	20	U	1,100	95	0.50	0.6	0.06	33.12	0.12
112.8	30.39	1	U	1	U	1	U	14	108	0.10	0.28	0.07	99	0.07
122.8	20.39	1	U	1	U	1	U	4	104	0.31	0.66	0.12	137	0.01
132.8	10.39	1	U	1	U	1	U	4	99	0.13	0.35	0.09	231	0.00
142.8	0.39	1	U	1	U	1	U	4	97	0.34	0.58	0.07	300	0.12
152.8	-9.61	1	U	1	U	1	U	6	106	0.01	0.35	0.10	143	0.02
162.8	-19.61	1	U	1	U	1	U	6	102	0.06	0.07	0.06	67	ND
172.8	-29.61	1	U	1	U	1	U	12	106	0.07	0.17	0.13	119	0.04
182.8	-39.61	1	U	1	U	1	U	4	103	0.03	0.05	0.08	362	0.01
192.8	-49.61	1	U	1	U	1	U	3	105	0.1	0.21	0.11	301	0.02
202.8	-59.61	1	U	1	U	1	U	2	103	0.2	0.30	0.04	348	0.02
212.8	-69.61	1	U	1	U	1	U	1	90	0.28	0.35	0.05	410	0.13
222.8	-79.61	1	U	1	U	1	U	2	93	0.24	0.27	0.05	498	ND
232.8	-89.61	1	U	1	U	1	U	3	105	0.4	0.52	0.06	582	0.01
242.4	-99.21	1	U	1	U	1	U	1	90	1.33	1.46	0.04	458	0.01
252.4	-109.21	1	U	1	U	1	U	1	97	0.46	0.46	0.02	705	ND
262.4	-119.21	1	U	1	U	1	U	1	98	0.03	0.16	0.07	746	0.02
272.4	-129.21	1	U	1	U	1	U	5	103	0.01	0.18	0.09	851	ND
282.4	-139.21	1	U	1	U	1	U	10	103	0.90	0.98	0.15	836	0.01
291.5	-148.31	1	U	1	U	1	U	5	102	0.07	0.24	0.17	871	0.03

Date Sampled: 11/13-11/18/02

Date Analyzed: 11/13-11/18/02

Samples with >100 ppb total VOC's cannot be run on a carboxen fiber and will have detection limits of 20 ppb

U = Undetected below the specified reporting limit.

%SS = Surrogate Recovery

ND = Value below detection limit.

NS = Not Sampled

* Ammonia test results elevated by high degree of sample turbidity.

† Sample did not have enough volume to run at 1 ppb detection limit

SYL00108044

Table 4-1
Groundwater Profile Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-07

VOC DATA, ug/L												INORGANIC DATA, mg/L					
Depth	Elevation (ft amsl)	Vinyl Chloride		trans- Dichloroethene		cis- Dichloroethene		Trichloroethene		Tetrachloroethene		% SS	Fe ⁺²	Total Fe	Ammonia	Chloride	Total Chlorine
82.4	62.13	1	U	1	U	1	U	1	U	1	U	95	2.11	2.61	0.34	144	0.09
92.4	52.13	1	U	1	U	1	U	1	U	1	U	99	1.57	2.11	0.27	132	0.11
102.4	42.13	1	U	1	U	1	U	1	U	1	U	90	0.66	1.17	0.29	160	0.07
112.4	32.13	1	U	1	U	1	U	1	U	1	U	96	2.36	3.08	0.52	234	0.10
122.1	22.43	1	U	1	U	1	U	1	U	1	U	108	0.92	1.53	0.61	338	0.11
132.4	12.13	1	U	1	U	1	U	1	U	1	U	99	0.95	2.23	0.74	119	0.24
142.4	2.13	1	U	1	U	1	U	2		1	U	105	1.47	2.05	0.42	109	0.15
152.4	-7.87	1	U	1	U	1	U	1		1	U	100	0.99	1.15	0.17	148	0.02
162.4	-17.87	1	U	1	U	1	U	1	U	1	U	102	2.1	2.70	0.43	163	0.2
172.4	-27.87	1	U	1	U	1	U	1	U	1	U	94	1.24	1.66	0.35	128	0.06
182.4	-37.87	1	U	1	U	1	U	1	U	1	U	100	0.40	0.99	0.35	167	0.13
192.4	-47.87	1	U	1	U	1	U	1	U	1	U	104	1.13	1.71	0.42	199	0.15
202.4	-57.87	1	U	1	U	1	U	1	U	1	U	103	1.78	2.46	0.51	204	0.16
212.4	-67.87	1	U	1	U	1	U	1	U	1	U	100	1.03	1.22	1.34	133	0.55
222.4	-77.87	1	U	1	U	1	U	1	U	1	U	91	0.26	0.41	0.12	96	ND
232.4	-87.87	1	U	1	U	1	U	1	U	1	U	97	1.27	1.46	0.11	73	0.03
242.4	-97.87	1	U	1	U	1	U	1	U	1	U	98	1.06	1.10	0.06	90	ND
252.8	-108.27	1	U	1	U	1	U	1	U	1	U	92	0.81	1.06	0.16	75	0.04
262.8	-118.27	1	U	1	U	1	U	1	U	1	U	105	0.76	1.01	0.22	57	0.08
272.8	-128.27	1	U	1	U	1	U	2		1	U	103	1.18	1.31	0.11	48	0.02
282.8	-138.27	1	U	1	U	1	U	1	U	1	U	104	1.20	1.29	0.09	62	0.04
292.8	-148.27	1	U	1	U	1	U	5		1		101	1.27	1.77	0.21	32	0.12
301.0	-156.47	1	U	1	U	1	U	1	U	1	U	101	0.58	0.71	0.13	89	0.04

Date Sampled: 11/19-12/04/02
Date Analyzed: 11/19-12/04/02

Samples with >100 ppb total VOC's cannot be run on a carboxen fiber and will have detection limits of 20 ppb
U = Undetected below the specified reporting limit.

%SS = Surrogate Recovery

ND = Value below detection limit.

NS = Not Sampled

* Ammonia test results elevated by high degree of sample turbidity.

† Sample did not have enough volume to run at 1 ppb detection limit

SYL00108045

Table 4-1
Groundwater Profile Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-08

VOC DATA, ug/L												INORGANIC DATA, mg/L				
Depth	Elevation (ft amsl)	Vinyl Chloride	trans- Dichloroethene	cis- Dichloroethene	Trichloroethene	Tetrachloroethene	% SS	Fe ⁺²	Total Fe	Ammonia	Chloride	Total Chlorine				
77.6	66.54	1	U	1	U	1	U	103	0.65	0.96	0.09	4	0.01			
87.6	56.54	1	U	1	U	1	U	101	0.73	1.65	0.27	12	0.20			
97.6	46.54	1	U	1	U	1	U	101	3.27	3.38	0.26	167	0.07			
107.6	36.54	1	U	1	U	3	U	103	1.58	1.80	0.12	95	0.04			
117.6	26.54	1	U	1	U	1	U	100	1.00	1.28	0.13	87	0.07			
127.6	16.54	1	U	1	U	5	U	109	1.19	1.46	0.19	65	0.06			
137.6	6.54	1	U	1	U	3	U	102	1.53	1.64	0.11	74	0.03			
147.6	-3.46	1	U	1	U	1	U	101	2.03	2.18	0.04	101	ND			
157.6	-13.46	1	U	1	U	1	U	99	1.71	1.74	0.04	159	0.01			
167.6	-23.46	1	U	1	U	1	U	98	0.54	0.76	0.07	202	0.01			
177.6	-33.46	1	U	1	U	1	U	106	1.60	1.70	0.15	268	0.01			
187.6	-43.46	1	U	1	U	1	U	102	1.97	2.34	0.25	148	0.06			
197.6	-53.51	1	U	1	U	5	U	102	0.06	2.05	0.77	41	0.28			
207.6	-63.46	1	U	1	U	5	U	103	1.10	1.37	0.15	62	0.06			
217.6	-73.46	1	U	1	U	3	U	98	1.80	2.66	0.37	87	0.23			
227.6	-83.46	1	U	1	U	9	U	111	0.79	0.95	0.05	43	ND			
237.6	-93.46	1	U	1	U	8	U	111	1.06	1.30	0.07	31	0.01			
247.6	-103.51	1	U	1	U	5	U	110	0.82	1.06	0.05	32	0.01			
257.6	-113.46	1	U	1	U	4	U	98	0.65	0.72	0.03	59	ND			
267.6	-123.46	1	U	1	U	2	U	107	0.81	0.96	0.02	101	0.01			
277.6	-133.46	1	U	1	U	2	U	101	2.02	2.27	0.14	103	0.08			
287.6	-143.46	1	U	1	U	1	U	91	0.46	0.50	0.04	27	0.02			
297.6	-153.46	3	U	1	U	1	U	108	2.9	3.22	0.12	220	ND			
302.6	-158.51	1	U	1	U	1	U	94	3.08	3.40	0.10	280	0.03			

Date Sampled: 12/03-12/07/02

Date Analyzed: 12/03-12/07/02

Samples with >100 ppb total VOC's cannot be run on a carboxen fiber and will have detection limits of 20 ppb

U = Undetected below the specified reporting limit.

%SS = Surrogate Recovery

ND = Value below detection limit.

NS = Not Sampled

* Ammonia test results elevated by high degree of sample turbidity.

† Sample did not have enough volume to run at 1 ppb detection limit

SYL00108046

Table 4-1
Groundwater Profile Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-09

VOC DATA, ug/L											INORGANIC DATA, mg/L						
Depth	Elevation (ft amsl)	Vinyl Chloride		trans- Dichloroethene		cis- Dichloroethene		Trichloroethene		Tetrachloroethene		% SS	Fe ⁺²	Total Fe	Ammonia	Chloride	Total Chlorine
82.6	58.96	1	U	1	U	1	U	1	U	12		109	0.12	0.24	0.05	9.13	0
92.6	48.96	20	U	20	U	20	U	20	U	380		98	1.15	1.37	0.15	11.63	0.36
102.6	38.96	20	U	20	U	20	U	30		4,400		106	0.93	0.98	0.06	27.25	0.12
112.6	28.96	20	U	20	U	20	U	24		3,800		95	0.98	1.11	0.12	13	0.16
122.6	18.96	20	U	20	U	20	U	20	U	3,200		99	0.69	1.14	0.38	13	0.02
132.6	8.96	20	U	20	U	20	U	20	U	290		99	0.11	3.22	0.76	59	0.03
142.6	-1.04	1	U	1	U	1	U	1	U	6		103	0.00	0.21	0.09	87	ND
152.6	-11.04	1	U	1	U	1	U	1	U	4		95	0.02	0.11	0.09	87	0.00
162.6	-21.04	1	U	1	U	1	U	1	U	4		101	0.31	1.71	0.12	97	0.17
172.6	-31.04	1	U	1	U	1	U	1	U	5		103	0.11	0.44	0.33	83	0.04
182.6	-41.03	1	U	1	U	1	U	1	U	11		102	0.02	0.32	0.08	110	0.02
192.6	-51.04	1	U	1	U	1	U	1	U	12		107	0.06	0.35	0.14	123	0.06
202.6	-61.04	1	U	1	U	1	U	1	U	2		109	0.12	0.56	0.38	121	0.02
212.6	-71.04	1	U	1	U	1	U	1	U	2		103	0.09	0.41	0.55	141	0.12
222.6	-81.03	1	U	1	U	1	U	1	U	2		109	ND	0.05	0.04	214	ND
232.6	-91.03	1	U	1	U	1	U	1	U	2		98	0.08	0.28	0.13	300	0.04
242.6	-101.04	1	U	1	U	1	U	1	U	1		101	0.13	0.72	0.22	410	0.13
252.6	-111.03	1	U	1	U	1	U	1	U	8		89	0.30	0.42	0.06	502	ND
263.0	-121.38	1	U	1	U	1	U	1	U	4		97	0.03	0.15	0.05	337	ND
272.6	-131.03	1	U	1	U	1	U	1	U	3		98	NS	NS	NS	NS	NS

Date Sampled: 11/13-11/17/02

Date Analyzed: 11/13-11/17/02

Samples with >100 ppb total VOC's cannot be run on a carboxen fiber and will have detection limits of 20 ppb

U = Undetected below the specified reporting limit.

%SS = Surrogate Recovery

ND = Value below detection limit.

NS = Not Sampled

* Ammonia test results elevated by high degree of sample turbidity.

† Sample did not have enough volume to run at 1 ppb detection limit

SYL00108047

Table 4-1
Groundwater Profile Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-10

VOC DATA, ug/L										INORGANIC DATA, mg/L						
Depth	Elevation (ft amsl)	Vinyl Chloride		trans- Dichloroethene		cis- Dichloroethene		Trichloroethene		Tetrachloroethene	% SS	Fe ⁺²	Total Fe	Ammonia	Chloride	Total Chlorine
77.7	63.27	20	U	20	U	20	U	38		460	93	0.14	0.25	0.04	11	0.02
87.8	53.12	20	U	20	U	20	U	20	U	300	94	1.23	1.33	0.05	26	ND
97.9	43.02	20	U	20	U	20	U	21		360	94	0.40	0.73	0.12	65	0.06
108.0	32.97	20	U	20	U	20	U	24		380	93	0.16	0.39	0.18	17	0.05
118.1	22.87	20	U	20	U	20	U	23		660	93	0.46	0.58	0.13	66	0.03
128.0	12.97	20	U	20	U	20	U	20		620	122	1.96	2.07	0.06	78	0.01
138.0	2.97	1	U	1	U	1	U	2		91	98	0.86	2.16	1.80	10	0.11
148.0	-7.03	20	U	20	U	20	U	20	U	270	94	0.22	8.75	0.30	10	0.23
158.0	-17.03	20	U	20	U	20	U	20	U	220	98	4.00	9.00	5.00	57	0.04
168.1	-27.13	1	U	1	U	1	U	1	U	2	104	1.18	1.89	0.55	149	0.08
178.1	-37.13	1	U	1	U	1	U	1	U	2	106	1	2.58	1.50	182	0.52
188.2	-47.23	1	U	1	U	1	U	1	U	4	98	0.34	0.60	0.28	209	0.06
198.2	-57.23	1	U	1	U	1	U	1	U	2	100	0.55	4.75	3.50	215	0.18
208.1	-67.18	1	U	1	U	1	U	1	U	1	104	0.42	1.49	0.36	253	0.28
218.1	-77.19	1	U	1	U	1	U	1	U	2	103	0.81	1.36	0.31	269	0.19
226.7	-85.73	1	U	1	U	1	U	1	U	1	108	0.23	0.33	0.06	347	ND
238.0	-97.08	1	U	1	U	1	U	1	U	1	112	0.54	0.87	0.11	430	0.01
247.8	-106.88	1	U	1	U	1	U	1	U	1	101	0.87	7.87	0.37	470	0.05
257.9	-116.98	1	U	1	U	1	U	1	U	3	100	3.18	20.25	2.50	653	ND
264.5	-123.58	1	U	1	U	1	U	1	U	8	114	1.28	1.81	0.37	535	ND

Date Sampled: 11/03-11/05/02

Date Analyzed: 11/03-11/05/02

Samples with >100 ppb total VOC's cannot be run on a carboxen fiber and will have detection limits of 20 ppb.

U = Undetected below the specified reporting limit.

%SS = Surrogate Recovery

ND = Value below detection limit.

NS = Not Sampled

* Ammonia test results elevated by high degree of sample turbidity.

† Sample did not have enough volume to run at 1 ppb detection limit

SYL00108048

Table 4-1
Groundwater Profile Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-11

VOC DATA, ug/L											INORGANIC DATA, mg/L					
Depth	Elevation (ft amsl)	Vinyl Chloride		trans- Dichloroethene		cis- Dichloroethene		Trichloroethene		Tetrachloroethene	% SS	Fe ⁺²	Total Fe	Ammonia	Chloride	Total Chlorine
87.0	53.92	1	U	1	U	1	U	1	U	7	104	0.53	11.00	0.65	21	0.09
97.4	43.52	1	U	1	U	1	U	1	U	140	92	1.09	1.38	0.15	25	0.06
107.4	33.52	1	U	1	U	1	U	1	U	6	95	0.88	1.36	0.31	20	0.09
117.4	23.52	1	U	1	U	1	U	1	U	2	94	0.26	5.75	3.75	13	0.23
127.4	13.52	1	U	1	U	1	U	1	U	1	97	0.69	0.91	0.24	27	0.01
137.4	3.52	1	U	1	U	1	U	1	U	2	95	0.74	1.19	0.47	56	0.03
147.4	-6.48	1	U	1	U	1	U	1	U	2	105	0.09	0.38	0.07	62	0.02
157.4	-16.48	1	U	1	U	1	U	28	U	4	97	0.02	0.22	0.07	63	0.01
167.4	-26.48	20	U	20	U	36	U	380	U	20	100	0.58	1.14	0.40	67	0.07
177.4	-36.48	20	U	20	U	50	U	720	U	20	103	0.92	1.47	0.36	68	0.11
187.4	-46.48	20	U	20	U	20	U	210	U	20	102	0.69	3.03	0.75	73	0.18
197.4	-56.48	1	U	1	U	6	U	73	U	5	101	0.46	2.01	0.96	75	0.18
207.4	-66.48	1	U	1	U	3	U	31	U	2	102	0.11	0.21	0.05	75	0.01
217.4	-76.51	1	U	1	U	1	U	2	U	1	105	0.31	0.82	0.19	89	0.06
227.4	-86.48	1	U	1	U	1	U	1	U	1	100	0.46	0.82	0.12	106	0.05
237.4	-96.48	1	U	1	U	1	U	1	U	1	107	0.57	1.50	0.35	88	0.06
247.2	-106.28	1	U	1	U	1	U	1	U	1	99	0.26	0.56	0.15	87	0.05
257.4	-116.51	1	U	1	U	1	U	1	U	1	100	0.17	0.30	0.08	115	ND
267.4	-126.48	1	U	1	U	1	U	1	U	1	102	0.039	2.75	0.08	159	ND
277.4	-136.48	1	U	1	U	1	U	1	U	4	108	0.47	0.82	0.21	369	0.06
281.1	-140.21	1	U	1	U	1	U	1	U	3	97	0.47	0.72	0.19	367	0.03

Date Sampled: 11/03-11/05/02

Date Analyzed: 11/03-11/05/02

Samples with >100 ppb total VOC's cannot be run on a carboxen fiber and will have detection limits of 20 ppb

U = Undetected below the specified reporting limit.

%SS = Surrogate Recovery

ND = Value below detection limit.

NS = Not Sampled

* Ammonia test results elevated by high degree of sample turbidity.

† Sample did not have enough volume to run at 1 ppb detection limit

SYL00108049

Table 4-1
Groundwater Profile Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-12

VOC DATA, ug/L											INORGANIC DATA, mg/L						
Depth	Elevation (ft amsl)	Vinyl Chloride		trans- Dichloroethene		cis- Dichloroethene		Trichloroethene		Tetrachloroethene		% SS	Fe ⁺²	Total Fe	Ammonia	Chloride	Total Chlorine
78.9	64.10	20	U	20	U	42		100		13,000		99	0.23	0.41	0.13	12	0.02
87.9	55.06	20	U	20	U	20	U	20	U	210		103	0.11	0.56	0.09	11	0.08
97.9	45.03	1	U	1	U	1	U	1	U	19		110	0.52	0.61	0.09	124	0.21
108.0	34.95	1	U	1	U	1	U	1	U	11		108	0.48	0.57	0.08	157	0.18
118.1	24.89	1	U	1	U	1	U	1	U	7		106	0.48	1.28	0.46	145	0.72
128.0	14.94	1	U	1	U	1	U	1	U	5		106	0.25	0.33	0.05	262	0.02
137.6	5.32	1	U	1	U	1	U	1	U	5		106	0.23	0.31	0.08	245	0.02
146.4	-3.41	1	U	1	U	1	U	1	U	5		105	0.17	1.01	0.41	145	0.04
157.8	-14.85	1	U	1	U	1	U	1	U	5		108	ND	0.07	ND	81	1.05
167.6	-24.63	1	U	1	U	1	U	1	U	4		108	0.06	0.55	0.63	133	0.02
180.3	-37.33	11		1	U	1	U	1	U	52		96	0.13	0.41	0.43	90	0.06
187.6	-44.68	9		1	U	1	U	1	U	100		101	1.76	2.60	0.75	154	0.03
197.8	-54.83	8		1	U	1	U	1	U	49		99	1.72	1.95	0.75	209	0.04
207.4	-64.45	1	U	1	U	1	U	1	U	1	U	109	0.21	0.43	0.07	212	ND
217.7	-74.75	1	U	1	U	1	U	1	U	1	U	98	0.32	0.74	0.14	304	ND
227.5	-84.50	1	U	1	U	1	U	1	U	1	U	94	0.46	0.63	0.012	227	0.03
237.5	-94.50	1	U	1	U	1	U	1	U	1	U	90	0.31	1.06	0.46	600	0.16
247.4	-104.43	1	U	1	U	1	U	1	U	1	U	92	0.03	0.15	0.07	180	ND
257.4	-114.43	1	U	1	U	1	U	1	U	1	U	104	2.01	3.88	0.63	466	1.74
267.5	-124.55	1	U	1	U	1	U	1	U	1	U	92	0.61	0.76	0.38	430	0.47
278.3	-135.35	1	U	1	U	1	U	1	U	19		109	0.14	0.38	0.47	669	0.02
287.4	-144.45	1	U	1	U	1	U	1	U	1	U	90	0.21	0.48	0.36	33	0.01
297.1	-154.15	1	U	1	U	1	U	1	U	5		102	0.13	0.55	0.31	707	0.02

Date Sampled: 11/13-11/20/02

Date Analyzed: 11/13-11/20/02

Samples with >100 ppb total VOC's cannot be run on a carboxen fiber and will have detection limits of 20 ppb

U = Undetected below the specified reporting limit.

%SS = Surrogate Recovery

ND = Value below detection limit.

NS = Not Sampled

* Ammonia test results elevated by high degree of sample turbidity.

† Sample did not have enough volume to run at 1 ppb detection limit

SYL00108050

Table 4-1
Groundwater Profile Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-13

VOC DATA, ug/L												INORGANIC DATA, mg/L					
Depth	Elevation (ft amsl)	Vinyl Chloride	trans- Dichloroethene	cis- Dichloroethene	Trichloroethene	Tetrachloroethene	% SS	Fe ⁺²	Total Fe	Ammonia	Chloride	Total Chlorine					
76.6	63.67	20	U	20	U	20	U	650	101	0.86	1.13	0.16	32	0.02			
96.6	53.67	20	U	20	U	20	U	250	105	1.23	2.08	0.48	43	0.08			
96.6	43.67	20	U	20	U	20	U	1,200	101	1.96	2.83	0.72	63	0.15			
106.6	33.67	20	U	20	U	20	U	580	101	0.69	1.42	0.48	82	0.08			
116.6	23.67	20	U	20	U	20	U	270	99	2.28	3.55	NS	106	0.10			
126.6	13.67	1	U	1	U	1	U	12	97	1.56	2.41	0.77	46	0.17			
136.6	3.67	1	U	1	U	1	U	2	104	0.68	0.90	0.18	51	0.05			
146.6	-6.33	1	U	1	U	1	U	3	102	0.49	0.71	0.24	111	0.05			
156.6	-16.33	1	U	1	U	1	U	5	102	1.0	1.71	0.4	105	0.08			
166.6	-26.33	1	U	1	U	1	U	14	102	0.04	0.20	0.12	93	ND			
176.6	-36.33	1	U	1	U	1	U	15	107	0.26	0.51	0.23	90	0.04			
186.6	-46.33	1	U	1	U	1	U	16	110	0.78	1.41	0.38	70	0.07			
196.6	-56.33	1	U	1	U	1	U	13	105	0.49	0.95	0.42	14	0.1			
206.6	-66.33	1	U	1	U	1		21	107	0.09	0.16	0.07	88	0.01			
217.3	-77.03	1	U	1	U	3		74	97	0.02	0.10	0.00	82	ND			
227.3	-87.03	6	U	6	U	20		290	99	0.14	0.26	0.04	110	0.01			
237.3	-97.03	2	U	2	U	6		130	101	1.07	1.41	0.48	51	0.27			
247.3	-107.03	1	U	1	U	1	U	3	94	0.63	0.63	5.25	120	0.03			
260.7	-120.43	1	U	1	U	18		330	99								
267.3	-127.03	1	U	1	U	1	U	8	95								

Date Sampled: 12/06-12/11/02

Date Analyzed: 12/06-12/11/02

Samples with >100 ppb total VOC's cannot be run on a carboxen fiber and will have detection limits of 20 ppb

U = Undetected below the specified reporting limit.

%SS = Surrogate Recovery

ND = Value below detection limit.

NS = Not Sampled

* Ammonia test results elevated by high degree of sample turbidity.

† Sample did not have enough volume to run at 1 ppb detection limit

SYL00108051

Table 4-1
Groundwater Profile Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-14

VOC DATA, ug/L											INORGANIC DATA, mg/L						
Depth	Elevation (ft amsl)	Vinyl Chloride		trans- Dichloroethene		cis- Dichloroethene		Trichloroethene		Tetrachloroethene		% SS	Fe ⁺²	Total Fe	Ammonia	Chloride	Total Chlorine
77.8	62.64	2	U	2	U	9		57		77		98	18	22	NS	21	0.11
85.8	54.64	2	U	2	U	16		19		150		99	21	21	0.50	24	0.15
95.2	45.29	1	U	1	U	2		8		31		100	18	22	1.20	13	0.20
105.3	35.21	1	U	1	U	1	U	2		10		109	14	15	1.80	6	0.1
115.1	25.32	1	U	1	U	25		23		12		100	11	13	0.80	10	ND
125.2	15.24	1	U	1	U	1	U	5		13		104	7.3	7.6	0.30	63	0.02
135.1	5.39	1	U	1	U	1	U	2		18		100	1.00	1.30	0.75	23	0.13
145.0	-4.58	1	U	1	U	1	U	1		6		103	0.92	1.04	0.13	55	0.02
155.1	-14.61	1	U	1	U	1	U	3		3		103	0.78	1.41	0.38	70	0.07
165.3	-24.88	1	U	1	U	1	U	3		2		111	1.00	1.35	0.30	95	0.12
175.4	-34.89	1	U	1	U	1	U	3		1		108	0.88	1.31	0.27	106	0.05
185.5	-45.04	1	U	1	U	1	U	1		2		103	0.48	0.62	0.07	102	0.02
195.4	-54.96	1	U	1	U	1	U	1	U	1	U	95	0.83	1.42	0.43	85	0.14
204.7	-64.24	1	U	1	U	1	U	1	U	1	U	105	0.66	1.62	0.20	86	0.27
214.8	-74.34	1	U	1	U	1	U	1	U	1	U	98	0.69	1.30	0.19	86	0.14
224.9	-84.41	1	U	1	U	1	U	1	U	1	U	97	0.05	0.10	0.01	74	0.03
234.9	-94.48	1	U	1	U	1	U	2		9		106	0.50	0.89	0.11	230	0.08
244.8	-104.36	1	U	1	U	1	U	3		20		96	0.84	1.50	0.16	470	0.14

Date Sampled: 12/06-12/10/02

Date Analyzed: 12/06-12/10/02

Samples with >100 ppb total VOC's cannot be run on a carboxen fiber and will have detection limits of 20 ppb

U = Undetected below the specified reporting limit.

%SS = Surrogate Recovery

ND = Value below detection limit.

NS = Not Sampled

* Ammonia test results elevated by high degree of sample turbidity.

† Sample did not have enough volume to run at 1 ppb detection limit

SYL00108052

Table 4-1
Groundwater Profile Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-16

VOC DATA, ug/L											INORGANIC DATA, mg/L						
Depth	Elevation (ft msl)	Vinyl Chloride		trans- Dichloroethene		cis- Dichloroethene		Trichloroethene		Tetrachloroethene		% SS	Fe ⁺²	Total Fe	Ammonia	Chloride	Total Chlorine
81.0	57.67	40	U	60	U	150		200		22,000		97	0.49	0.95	0.42	14	0.1
91.0	47.67	40	U	40	U	70		100		19,000		97	1.30	1.42	0.11	9	0.04
101.0	37.67	2	U	2	U	2	U	2	U	110		100	0.22	0.86	0.14	15	0.01
111.0	27.67	1	U	1	U	1	U	1	U	30		104	0.31	0.41	0.16	7	0.02
121.0	17.67	1	U	1	U	1	U	1	U	26		104	0.39	0.46	0.08	77	0.04
131.0	7.67	1	U	1	U	1	U	1	U	20		106	0.30	0.42	0.06	76	0.02
141.0	-2.33	1	U	1	U	1	U	1	U	17		104	0.37	0.53	0.06	87	0.06
151.0	-12.33	1	U	1	U	1	U	1	U	16		102	0.11	0.24	0.11	69	0.01
161.0	-22.33	1	U	1	U	1	U	1		13		100	0.33	0.76	0.40	61	0.16
171.0	-32.33	1	U	1	U	1	U	2		10		101	0.27	0.35	0.11	54	0.01
181.0	-42.33	1	U	1	U	1	U	1	U	11		96	0.19	0.41	0.16	65	0.04
191.0	-52.33	1	U	1	U	1	U	1		8		95	0.29	0.35	0.05	60	ND
201.0	-62.33	1	U	1	U	1	U	1	U	7		90	0.28	0.40	0.08	39	0.02
211.0	-72.33	1	U	1	U	1	U	1	U	8		101	0.13	0.21	0.08	53	0.02
221.0	-82.33	1	U	1	U	1	U	1	U	7		106	0.34	2.04	0.41	60	0.11
231.0	-92.33	1	U	1	U	1	U	1	U	8		100	0.05	0.23	0.08	78	0.01
241.0	-102.33	1	U	1	U	1	U	1	U	5	U						
251.0	-112.33	1	U	1	U	1	U	1	U	12	U						

Date Sampled: 12/08-12/11/02
Date Analyzed: 11/08-12/11/02

Samples with >100 ppb total VOC's cannot be run on a carboxen fiber and will have detection limits of 20 ppb
U = Undetected below the specified reporting limit.

%SS = Surrogate Recovery

ND = Value below detection limit.

NS = Not Sampled

* Ammonia test results elevated by high degree of sample turbidity.

† Sample did not have enough volume to run at 1 ppb detection limit

SYL00108053

Table 4-2
Groundwater Confirmation VOC Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

COMPOUND NAME	Sample ID (Depth) - UNITS	DUP	EB-101302	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10
1,1,1-Trichloroethane	ug/L	18	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	18	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	13	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	0.31 J	12	1.0 U	1.5
1,1-Dichloroethane	ug/L	3.9	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	3.3	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 UJ	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 UJ	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 UJ	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	ug/L	5.0 UJ	5.0 UJ	25 UJ	250 UJ	5.0 UJ	5.0 UJ	500 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
2-Hexanone	ug/L	5.0 UJ	5.0 U	25 UJ	250 UJ	5.0 U	5.0 UJ	500 U	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ	5.0 U
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 UJ	5.0 UJ	25 UJ	250 UJ	5.0 UJ	5.0 UJ	500 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Acetone	ug/L	2.0 UJ	5.3 J B	16 UJ	100 UJ	2.0 UJ	2.0 UJ	200 UJ	2.0 UJ	2.0 UJ	4.5 UJ	2.0 UJ	2.0 UJ
Benzene	ug/L	1.0 U	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	ug/L	2.0 UJ	2.0 UJ	10 UJ	100 UJ	2.0 UJ	2.0 UJ	200 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
Carbon disulfide	ug/L	1.0 U	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	ug/L	1.0 U	1.0 U	5.0 UJ	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	2.0 U	2.0 U	10 U	100 U	2.0 U	2.0 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	ug/L	1.0 U	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	31	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	ug/L	2.0 U	0.19 J	10 U	100 U	2.0 U	2.0 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,2-Dichloroethane	ug/L	1.0 U	1.0 U	5.0 U	50 U	2.4	2.6	100 U	1.0 U	4.1	1.0 U	1.0 U	0.31 J
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	1.0 U	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	ug/L	1.0 U	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	ug/L	1.0 UJ	0.35 J	5.0 UJ	170 UJ	1.0 UJ	1.0 UJ	360 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Styrene	ug/L	1.0 U	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethane	ug/L	22	1.0 U	110	800	88	180	1500	3.5	1300	19	61	650
Toluene	ug/L	1.0 U	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethane	ug/L	1.0 U	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	ug/L	2.3	1.0 U	25	26 J	4.8	24	100 U	1.0 U	11	2.4	0.59 J	5.9
Vinyl chloride	ug/L	1.0 U	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	1.0 U	1.0 U	5.0 U	50 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TIC-Benzene, 1,2,3 trichloro-	ug/L												
TIC-Ethane, 1,1-difluoro-	ug/L												
TIC-Isobutane	ug/L												
TIC-Methane, chlorodifluoro-	ug/L												
TIC-Pentane, 2-methyl-	ug/L												
TIC-Propane, 2-methoxy-2-methyl-	ug/L												
TIC-Sulfur dioxide	ug/L												

U = The chemical was not detected. Value shown is the reporting limit.

J = The result is an estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.

B = The compound is present in the laboratory method blank and may be an indication of contamination from laboratory operations.

SYL00108054

Table 4-2
Groundwater Confirmation VOC Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

COMPOUND NAME	Sample ID (Depth) - UNITS	MW-11	MW-12	P-1 (299_14)	P-1 (78_7)	P-1 (98_7)	P-1 (301_16)	P-10 (198_15)	P-10 (264_5)	P-10 (97_9)
1,1,1-Trichloroethane	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	ug/L	12 UJ	500 UJ	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
2-Hexanone	ug/L	12 U	600 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
4-Methyl-2-pentanone (MIBK)	ug/L	12 UJ	500 UJ	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5.0 U
Acetone	ug/L	5.0 UJ	220 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
Benzene	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	0.55 J	1.0 U	0.58 J	1.0 U
Bromomethane	ug/L	5.0 UJ	200 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
Carbon disulfide	ug/L	2.5 U	100 U	0.32 J	0.55 J	0.67 J	1.0 U	2.3 J	1.0 U	1.0 U
Carbon tetrachloride	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	5.0 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	ug/L	2.5 U	100 U	1.1	1.2	1.8	1.0 U	1.1	9.2	1.0 U
Chloromethane	ug/L	5.0 U	200 U	0.20 J	2.0 U	0.22 J	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ
cis-1,2-Dichloroethene	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.54 J
cis-1,3-Dichloropropene	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	ug/L	5.1 U	310 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Styrene	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	ug/L	66	1300	1.0 U	1.0	1.0 U	1.0 U	1.5	7.7	250
Toluene	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Trichloroethene	ug/L	2.5 U	33 J	1.0 U	1.0 U	0.30 J	1.0 U	1.0 U	0.34 J	19
Vinyl chloride	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	2.5 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TIC-Benzene, 1,2,3 trichloro-	ug/L									
TIC-Ethane, 1,1-difluoro-	ug/L									
TIC-Isobutane	ug/L									
TIC-Methane, chlorodifluoro-	ug/L									
TIC-Pentane, 2-methyl-	ug/L									
TIC-Propane, 2-methoxy-2-methyl-	ug/L	17 J								
TIC-Sulfur dioxide	ug/L									

U = The chemical was not detected. Value shown is the reporting limit.
J = The result is an estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
B = The compound is present in the laboratory method blank and may be an indication of contamination from laboratory operations.

SYL00108055

Table 4-2
Groundwater Confirmation VOC Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

COMPOUND NAME	Sample ID (Depth) - UNITS	P-10 (107_95)	P-10 (77_8)	P-11 (247_4)	P-11 (281_13)	P-11 (167_4)	P-11 (87)	P-11 (107_4)	P-12 (108)
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	0.42 J	20 U	1.0 U	0.84 J	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	0.31 J	0.29 J	20 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
2-Butanone	ug/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	100 UJ	5.0 UJ	5.0 UJ	5.0 UJ
2-Hexanone	ug/L	5.0 U	5.0 U	5.0 UJ	5.0 UJ	100 U	5.0 U	5.0 UJ	5.0 UJ
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U	5.0 UJ	5.0 UJ	100 U	5.0 U	5.0 U	5.0 U
Acetone	ug/L	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	57 UJ	2.0 UJ	2.0 UJ	2.0 UJ
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
Bromomethane	ug/L	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	40 UJ	2.0 UJ	2.0 UJ	2.0 U
Carbon disulfide	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	2.0 U	2.0 U	2.0 UJ	2.0 U	40 U	2.0 U	2.0 U	2.0 U
Chloroform	ug/L	1.0 U	1.0 U	1.0 U	2.2	20 U	1.0 U	1.0 U	36
Chloromethane	ug/L	2.0 U	2.0 U	2.0 U	2.0 UJ	40 U	2.0 U	2.0 UJ	2.0 U
cis-1,2-Dichloroethene	ug/L	0.86 J	1.0	1.0 U	1.0 U	38	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
Methylene chloride	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	32 UJ	1.0 UJ	1.0 UJ	1.0 U
Styrene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	ug/L	310	360 J	0.58 J	3.8	17 J	7.9	5.0	7.9
Toluene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	0.44 J	1.0 U	1.1 U
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 UJ	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
Trichloroethane	ug/L	23	29 J	0.40 J	0.89 J	350	0.37 J	1.0 U	1.0 U
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U
TIC-Benzene, 1,2,3 trichloro-	ug/L								
TIC-Ethane, 1,1-difluoro-	ug/L								
TIC-Isobutane	ug/L								
TIC-Methane, chlorodifluoro-	ug/L						0.48 J		
TIC-Pentane, 2-methyl-	ug/L								
TIC-Propane, 2-methoxy-2-methyl-	ug/L								
TIC-Sulfur dioxide	ug/L								

U = The chemical was not detected. Value shown is the reporting limit.

J = The result is an estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.

B = The compound is present in the laboratory method blank and may be an indication of contamination from laboratory operations.

SYL00108056

Table 4-2
Groundwater Confirmation VOC Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

COMPOUND NAME	Sample ID (Depth) - UNITS	P-12 (78_85)	P-12 (87_89)	P-12 (97_92)	P-12 (207_43)	P-12 (287_42)	P-12 (297_41)	P-13 (237_30)	P-13 (78_6)
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
2-Butanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	100 U
2-Hexanone	ug/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	100 UJ
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	100 UJ
Acetone	ug/L	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	40 UJ
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	0.34 J	1.0 U	1.0 U	20 U
Bromomethane	ug/L	2.0 UJ	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	40 UJ
Carbon disulfide	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Carbon tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	20 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Chloroethane	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	40 U
Chloroform	ug/L	1.0 U	1.0 U	24	12	1.0 U	6.1	1.0 U	20 U
Chloromethane	ug/L	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	40 U
cis-1,2-Dichloroethane	ug/L	28	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	8.6	20 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Dibromochloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Methylene chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	20 UJ
Styrene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Tetrachloroethene	ug/L	9900	100	19	1.0 U	0.54 J	3.7	7.9	440
Toluene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
trans-1,2-Dichloroethene	ug/L	0.75 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	20 U
Trichloroethene	ug/L	90 J	1.1	1.0 U	1.0 U	1.0 U	1.0 U	130	20 U
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
TIC-Benzene, 1,2,3 trichloro-	ug/L								
TIC-Ethane, 1,1-difluoro-	ug/L								
TIC-Isobutane	ug/L								
TIC-Methane, chlorodifluoro-	ug/L								
TIC-Pentane, 2-methyl-	ug/L								
TIC-Propane, 2-methoxy-2-methyl-	ug/L								
TIC-Sulfur dioxide	ug/L								

U = The chemical was not detected. Value shown is the reporting limit.

J = The result is an estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.

B = The compound is present in the laboratory method blank and may be an indication of contamination from laboratory operations.

SYL00108057

Table 4-2
Groundwater Confirmation VOC Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

COMPOUND NAME	Sample ID (Depth) - UNITS	P-13 (88_6)	P-13 (86_6)	P-13 (118_6)	P-13 (176_6)	P-14 (77_82)	P-14 (85_82)	P-14 (95_17)	P-14 (115_14)
1,1,1-Trichloroethane	ug/L	5.0 U	50 U	0.51 J	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,1-Dichloroethane	ug/L	5.0 U	50 U	0.32 J	1.0 U	1.0 U	1.0 U	2.0 U	4.0
1,1-Dichloroethene	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	5.0 U	50 U	1.0 U	1.0 U	0.33 J	1.0 U	2.0 U	1.0 U
1,2-Dichloroethane	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.6 J	1.0 U
1,2-Dichloropropane	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
2-Butanone	ug/L	25 UJ	250 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	10 UJ	5.0 UJ
2-Hexanone	ug/L	25 UJ	250 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	10 UJ	5.0 UJ
4-Methyl-2-pentanone (MIBK)	ug/L	25 UJ	250 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	10 UJ	5.0 UJ
Acetone	ug/L	10 UJ	100 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	4.0 UJ	2.0 UJ
Benzene	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Bromodichloromethane	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Bromoform	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Bromomethane	ug/L	10 UJ	100 UJ	2.0 U	2.0 U	2.0 UJ	2.0 UJ	4.0 UJ	2.0 U
Carbon disulfide	ug/L	5.0 U	50 U	1.0 U	1.0 U	8.5	4.9	5.0	2.9
Carbon tetrachloride	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Chlorobenzene	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Chloroethane	ug/L	10 U	100 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U
Chloroform	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Chloromethane	ug/L	10 U	100 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U
cis-1,2-Dichloroethene	ug/L	5.0 U	50 U	0.40 J	0.69 J	5.7	12	2.2	17
cis-1,3-Dichloropropene	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Dibromochloromethane	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Ethylbenzene	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Methylene chloride	ug/L	5.0 UJ	50 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	2.0 UJ	1.0 U
Styrene	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Tetrachloroethene	ug/L	140	890	150	2.5	71	130	34	8.0
Toluene	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	0.25 J	2.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Trichloroethene	ug/L	5.0 U	50 U	1.0 U	11	31	17	8.3	16
Vinyl chloride	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Xylenes (total)	ug/L	5.0 U	50 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
TIC-Benzene, 1,2,3 trichloro-	ug/L								
TIC-Ethane, 1,1-difluoro-	ug/L								
TIC-Isobutane	ug/L								
TIC-Methane, chlorodifluoro-	ug/L								
TIC-Pentane, 2-methyl-	ug/L								
TIC-Propane, 2-methoxy-2-methyl-	ug/L								
TIC-Sulfur dioxide	ug/L								

U = The chemical was not detected. Value shown is the reporting limit.

J = The result is an estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.

B = The compound is present in the laboratory method blank and may be an indication of contamination from laboratory operations.

SYL00108058

Table 4-2
Groundwater Confirmation VOC Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

COMPOUND NAME	Sample ID (Depth) - UNITS	P-14 (204_7)	P-16 (181_00)	P-16 (231_00)	P-16 (251_00)	P-16 (101)	P-16 (121)	P-16 (81)	P-16 (91)
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.33 J	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.3	0.88 J
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.98 J	0.88 J
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	ug/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
2-Hexanone	ug/L	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Acetone	ug/L	2.0 UJ	2.0 UJ	2.3 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	ug/L	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U
Carbon disulfide	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	ug/L	1.0 U	0.37 J	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.53 J	0.32 J
Chloroethane	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	ug/L	1.0 U	26 J	4.5	4.4	1.0 U	1.0	1.0 U	1.0 U
Chloromethane	ug/L	2.0 U	2.0 U	0.28 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1000 U	250 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	ug/L	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	ug/L	1.0 U	9.9	7.7	11	78	28	20000	6500
Toluene	ug/L	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3	0.99 J
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	ug/L	1.0 U	0.57 J	1.0 U	1.0 U	0.61 J	1.0 U	1000 U	250 U
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TIC-Benzene, 1,2,3 trichloro-	ug/L								
TIC-Ethane, 1,1-difluoro-	ug/L								
TIC-Isobutane	ug/L								
TIC-Methane, chlorodifluoro-	ug/L								
TIC-Pentane, 2-methyl-	ug/L								
TIC-Propane, 2-methoxy-2-methyl-	ug/L								
TIC-Sulfur dioxide	ug/L								

- U = The chemical was not detected. Value shown is the reporting limit.
J = The result is an estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
B = The compound is present in the laboratory method blank and may be an indication of contamination from laboratory operations.

SYL00108059

Table 4-2
Groundwater Confirmation VOC Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

COMPOUND NAME	Sample ID (Depth) - UNITS	P-2 (258_14)	P-2 (302_05)	P-2 (78_5)	P-2 (98_8)	P-2-DUP-01	P-3 (304_40)	P-3 (87_40)	P-3 (107_40)
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
2-Butanone	ug/L	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	200 UJ	200 UJ
2-Hexanone	ug/L	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	200 UJ	200 UJ
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	200 UJ	200 UJ
Acetone	ug/L	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	200 UJ	46 J
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
Bromoform	ug/L	1.0 U	0.58 J	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
Bromomethane	ug/L	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	50 UJ	50 UJ
Carbon disulfide	ug/L	1.0 U	1.0 U	0.88 J	0.35 J	1.0 U	1.0 U	7.4 J	7.6 J
Carbon tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
Chloroethane	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	50 UJ	50 UJ
Chloroform	ug/L	0.78 J	1.0 U	1.0 U	21	1.0 U	5.5	50 UJ	50 UJ
Chloromethane	ug/L	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	50 UJ	50 UJ
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
Dibromochloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
Methylene chloride	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	24 UJ	24 UJ
Styrene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
Tetrachloroethene	ug/L	1.0 U	1.0 U	54 J	1.0 U	55	1.0 U	24 J	11 J
Toluene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
trans-1,3-Dichloropropene	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	50 UJ	50 UJ
Trichloroethene	ug/L	1.0 U	1.0 U	0.53 J	1.0 U	0.34 J	1.0 U	50 UJ	50 UJ
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	100 UJ	100 UJ
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ
TIC-Benzene, 1,2,3 trichloro-	ug/L								
TIC-Ethane, 1,1-difluoro-	ug/L								
TIC-Isobutane	ug/L								
TIC-Methane, chlorodifluoro-	ug/L								
TIC-Pentane, 2-methyl-	ug/L								
TIC-Propane, 2-methoxy-2-methyl-	ug/L								
TIC-Sulfur dioxide	ug/L								

U = The chemical was not detected. Value shown is the reporting limit.
J = The result is an estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
B = The compound is present in the laboratory method blank and may be an indication of contamination from laboratory operations.

SYL00108060

Table 4-2
Groundwater Confirmation VOC Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

COMPOUND NAME	Sample ID (Depth) - UNITS	P-3 (167_40)	P-3(227_40)	P-4 (197_65)	P-4 (106_8)	P-4 (77_5)	P-4 (97_2)	P-5 (207_4)	P-5 (292_4)
1,1,1-Trichloroethane	ug/L	0.84 J	1.0 U	1.0 U	1.0	0.66 J	1.4	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	0.50 J	1.0 U	1.0 U	0.35 J	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	ug/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
2-Hexanone	ug/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Acetone	ug/L	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Bromomethane	ug/L	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
Carbon disulfide	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	ug/L	1.0 U	2.3	0.73 J	1.0 U	1.0 U	1.0 U	7.1	3.3
Chloromethane	ug/L	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.4 UJ	1.4 UJ	1.3 UJ	1.0 UJ	1.0 UJ
Styrene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethane	ug/L	1.0 U	1.0 U	0.41 J	0.99 J	31	19	2.0	9.9
Toluene	ug/L	1.0 U	1.0 U	1.0 U	0.33 J	0.29 J	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.5	9.5	2.2	1.0 U	2.4
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TIC-Benzene, 1,2,3 trichloro-	ug/L								
TIC-Ethane, 1,1-difluoro-	ug/L								
TIC-Isobutane	ug/L								
TIC-Methane, chlorodifluoro-	ug/L								
TIC-Pentane, 2-methyl-	ug/L								
TIC-Propane, 2-methoxy-2-methyl-	ug/L								
TIC-Sulfur dioxide	ug/L			1.1 J				2.4 J	

U = The chemical was not detected. Value shown is the reporting limit.

J = The result is an estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.

B = The compound is present in the laboratory method blank and may be an indication of contamination from laboratory operations.

SYL00108061

Table 4-2
Groundwater Confirmation VOC Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

COMPOUND NAME	Sample ID (Depth) - UNITS	P-5 (299_02)	P-5 (107_5)	P-5 (77_5)	P-5 (97_5)	P-6 (252_4)	P-6 (291_6)	P-6 (102_8)	P-6 (122_8)
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	0.43 J	50 UJ	50 UJ	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	2.1	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 UJ	1.0 UJ	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
2-Butanone	ug/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	200 UJ	200 UJ	5.0 UJ	5.0 UJ
2-Hexanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 UJ	200 UJ	200 UJ	5.0 UJ	5.0 UJ
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U	5.0 U	5.0 UJ	200 UJ	200 UJ	5.0 U	5.0 U
Acetone	ug/L	2.0 UJ	4.9 UJ	7.1 UJ	1.8 J	200 UJ	37 J	2.0 UJ	2.0 UJ
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
Bromolorm	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
Bromomethane	ug/L	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	50 UJ	50 UJ	2.0 U	2.0 U
Carbon disulfide	ug/L	1.0 U	0.49 J	0.44 J	1.0 U	7.5 J	7.1 J	1.0 U	1.0 U
Carbon tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
Chloroethane	ug/L	2.0 U	2.0 UJ	2.0 UJ	2.0 U	50 UJ	50 UJ	2.0 U	2.0 U
Chlorolorm	ug/L	2.9	1.0 U	1.0 U	1.0 U	15 J	50 UJ	1.0 U	8.5
Chloromethane	ug/L	2.0 U	2.0 UJ	0.21 UJ	2.0 UJ	50 UJ	50 UJ	2.0 U	2.0 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.9	1.2	50 UJ	50 UJ	0.49 J	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
Dibromochloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
Methylene chloride	ug/L	0.30 UJ	1.0 U	1.0 U	1.5 UJ	23 UJ	23 UJ	1.0 U	1.0 U
Styrene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
Tetrachloroethane	ug/L	8.6	110	760	31	50 UJ	50 UJ	710	4.4
Toluene	ug/L	1.0 U	1.0 UJ	1.0 UJ	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
Trichloroethene	ug/L	0.75 J	3.7	20	8.9	50 UJ	50 UJ	9.3	1.0 U
Vinyl chloride	ug/L	1.0 U	1.0 UJ	1.0 UJ	1.0 U	100 UJ	100 UJ	1.0 U	1.0 U
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	50 UJ	50 UJ	1.0 U	1.0 U
TIC-Benzene, 1,2,3 trichloro-	ug/L								
TIC-Ethane, 1,1-difluoro-	ug/L								
TIC-Isobutane	ug/L								
TIC-Methane, chlorodifluoro-	ug/L	0.89 J							
TIC-Pentane, 2-methyl-	ug/L		1.9 J						
TIC-Propane, 2-methoxy-2-methyl-	ug/L								
TIC-Sulfur dioxide	ug/L								

U = The chemical was not detected. Value shown is the reporting limit.
J = The result is an estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.
UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.
B = The compound is present in the laboratory method blank and may be an indication of contamination from laboratory operations.

SYL00108062

Table 4-2
Groundwater Confirmation VOC Data
GTEOSI
Former Sylvania Electric Products Facility
Hickville, NY

COMPOUND NAME	Sample ID (Depth) - UNITS	P-6 (82_8)	P-7 (102_4)	P-7 (242_4)	P-7 (301)	P-7(82_4)	P-8 (167_55')	P-8 (247_55')	P-8 (77_55)
1,1,1-Trichloroethane	ug/L	50 U	2.7	1.0 U	0.59 J	1.1	0.61 J	5.7	0.77 J
1,1,2,2-Tetrachloroethane	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	50 U	1.0 U	1.0 U	0.35 J	1.0 U	0.43 J	5.2	1.0 U
1,1-Dichloroethene	ug/L	50 U	0.82 J	1.0 U	1.0 U	1.0 U	1.0 U	2.8	1.0 U
1,2-Dichlorobenzene	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	ug/L	250 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
2-Hexanone	ug/L	250 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
4-Methyl-2-pentanone (MIBK)	ug/L	250 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Acetone	ug/L	100 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	3.1 UJ
Benzene	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.8	1.0 U	1.0 U
Bromomethane	ug/L	100 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
Carbon disulfide	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.55 J
Carbon tetrachloride	ug/L	50 U	0.48 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	100 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.33 J	1.0 U
Chloromethane	ug/L	100 U	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U
cis-1,2-Dichloroethane	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.38 J	1.0 U
cis-1,3-Dichloropropene	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	ug/L	50 U	1.0 UJ	1.0 UJ	1.8 B	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Styrene	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	ug/L	2000	1.0 U	1.0 U	0.86 J	1.0 U	1.0 U	2.2	1.0 U
Toluene	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	50 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Trichloroethene	ug/L	15 J	1.0 U	1.0 U	1.0	1.0 U	0.89 J	5.4	0.40 J
Vinyl chloride	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TIC-Benzene, 1,2,3 trichloro-	ug/L								0.39 J
TIC-Ethane, 1,1-difluoro-	ug/L								
TIC-Isobutane	ug/L								
TIC-Methane, chlorodifluoro-	ug/L								
TIC-Pentane, 2-methyl-	ug/L								
TIC-Propane, 2-methoxy-2-methyl-	ug/L								
TIC-Sulfur dioxide	ug/L								

U = The chemical was not detected. Value shown is the reporting limit.

J = The result is an estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.

B = The compound is present in the laboratory method blank and may be an indication of contamination from laboratory operations.

SYL00108063

Table 4-2
Groundwater Confirmation VOC Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

COMPOUND NAME	Sample ID (Depth) - UNITS	P-8 (97_55)	P-8(297_55)	P-8 (302_55)	P-9 (102_61)	P-9 (162_61)	P-9 (232_61)	P-9 (82_61)	TRIP BLANK 10/13/02
1,1,1-Trichloroethane	ug/L	1.0	0.82 J	0.78 J	100 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	0.83 J	0.70 J	100 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	ug/L	5.0 UJ	5.0 UJ	5.0 UJ	500 UJ	5.0 U	5.0 UJ	5.0 U	5.0 UJ
2-Hexanone	ug/L	5.0 UJ	5.0 UJ	5.0 UJ	500 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 UJ	5.0 UJ	5.0 UJ	500 U	5.0 U	5.0 U	5.0 U	5.0 UJ
Acetone	ug/L	1.2 UJ	2.0 UJ	2.0 UJ	200 UJ	2.0 UJ	2.0 UJ	2.0 UJ	3.7 BJ
Benzene	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Bromomethane	ug/L	2.0 UJ	2.0 U	2.0 U	200 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
Carbon disulfide	ug/L	1.0 U	6.8	2.9	100 U	1.0 U	1.0 U	0.54 J	1.0 U
Carbon tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	2.0 U	2.0 U	2.0 U	200 U	2.0 U	2.0 UJ	2.0 U	2.0 U
Chloroform	ug/L	1.0 U	1.0 U	1.0 U	100 U	22	7.8	1.0 U	1.0 U
Chloromethane	ug/L	2.0 U	2.0 U	2.0 U	200 U	2.0 U	2.0 UJ	2.0 U	2.0 U
cis-1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	ug/L	1.6 UJ	1.0 U	1.0 U	220 U	1.0 U	1.0 UJ	1.0 U	0.59 BJ
Styrene	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	ug/L	1.0 U	1.0 U	1.0 U	4300	6.1	2.4 J	13	1.0 U
Toluene	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.2
trans-1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	ug/L	0.39 J	0.95 J	0.80 J	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U
TIC-Benzene, 1,2,3 trichloro-	ug/L								
TIC-Ethane, 1,1-difluoro-	ug/L								
TIC-Isobutane	ug/L								2.4 J
TIC-Methane, chlorodifluoro-	ug/L								
TIC-Pentane, 2-methyl-	ug/L								
TIC-Propane, 2-methoxy-2-methyl-	ug/L								
TIC-Sulfur dioxide	ug/L								

U = The chemical was not detected. Value shown is the reporting limit.

J = The result is an estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.

B = The compound is present in the laboratory method blank and may be an indication of contamination from laboratory operations.

SYL00108064

Table 4-2
Groundwater Confirmation VOC Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

COMPOUND NAME	Sample ID (Depth) - UNITS	TRIP BLANK 10/16/02	TRIP BLANK 10/19/02	TRIP BLANK 10/23/02	TRIP BLANK 10-30-02	TRIP BLANK 11/03/02
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	ug/L	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
2-Hexanone	ug/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	ug/L	3.9 J	2.9 J	2.8 J	2.6 JB	2.2 UJ
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	ug/L	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
Carbon disulfide	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	ug/L	0.48 JB	0.46 JB	0.38 JB	0.39 JB	1.0 UJ
Styrene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	ug/L	1.5	1.3	1.1	1.1	1.3 B
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Trichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TIC-Benzene, 1,2,3 trichloro-	ug/L					
TIC-Ethane, 1,1-difluoro-	ug/L					
TIC-Isobutane	ug/L	1.9 J	1.8 J	2.5 J	1.9 J	1.9 J
TIC-Methane, chlorodifluoro-	ug/L					
TIC-Pentane, 2-methyl-	ug/L					
TIC-Propane, 2-methoxy-2-methyl-	ug/L					
TIC-Sulfur dioxide	ug/L				3.3 J	

U = The chemical was not detected. Value shown is the reporting limit.

J = The result is an estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.

B = The compound is present in the laboratory method blank and may be an indication of contamination from laboratory operations.

SYL00108065

Table 4-2
Groundwater Confirmation VOC Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

COMPOUND NAME	Sample ID (Depth) - UNITS	TRIP BLANK 11/05/02	TRIP BLANK 11/19/02	TRIP BLANK 11/13/02	TRIP BLANK 11-18-01	TRIP BLANK 11-21-02
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
2-Butanone	ug/L	11 J	5.0 UJ	5.0 U	200 UJ	5.0 UJ
2-Hexanone	ug/L	5.0 UJ	5.0 UJ	5.0 UJ	200 UJ	5.0 UJ
4-Methyl-2-pentanone (MIBK)	ug/L	0.60 J	5.0 UJ	5.0 U	200 UJ	5.0 UJ
Acetone	ug/L	39 J	3.0 J	2.6 J	200 UJ	2.8 J
Benzene	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
Bromomethane	ug/L	2.0 UJ	2.0 UJ	2.0 UJ	50 UJ	2.0 UJ
Carbon disulfide	ug/L	1.0 U	1.0 U	1.0 U	7.2 J	1.0 U
Carbon tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
Chloroethane	ug/L	2.0 U	2.0 U	2.0 U	50 UJ	2.0 U
Chloroform	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
Chloromethane	ug/L	2.0 UJ	2.0 UJ	2.0 U	50 UJ	2.0 UJ
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
Dibromochloromethane	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
Methylene chloride	ug/L	2.3 J	1.0 UJ	0.89 J B	24 UJ	1.0 UJ
Styrene	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
Tetrachloroethene	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
Toluene	ug/L	0.81 J	0.44 J	1.0	3.9 J	0.35 J
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 UJ	1.0 U	50 UJ	1.0 UJ
Trichloroethene	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	100 UJ	1.0 U
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	50 UJ	1.0 U
TIC-Benzene, 1,2,3 trichloro-	ug/L					
TIC-Ethane, 1,1-difluoro-	ug/L	0.62 J				
TIC-Isobutane	ug/L		9.9 J	1.6 J		9.3 J
TIC-Methane, chlorodifluoro-	ug/L					
TIC-Pentane, 2-methyl-	ug/L					
TIC-Propane, 2-methoxy-2-methyl-	ug/L					
TIC-Sulfur dioxide	ug/L					

U = The chemical was not detected. Value shown is the reporting limit.

J = The result is an estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.

B = The compound is present in the laboratory method blank and may be an indication of contamination from laboratory operations.

SYL00108066

Table 4-2
Groundwater Confirmation VOC Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

COMPOUND NAME	Sample ID (Depth) - UNITS	TRIP BLANK 12-07-02	Trip Blank 121002	TRIP BLANK 12-6-02	TRIP BLANKS	TRIP BLK 11-15-02
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	ug/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
2-Hexanone	ug/L	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ	5.0 U
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ	5.0 U
Acetone	ug/L	3.1 J	2.5 JB	2.4 J	3.4 BJ	3.0 J
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Bromomethane	ug/L	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
Carbon disulfide	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	ug/L	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ
Chloroform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	ug/L	0.52 J	0.30 J	1.0 UJ	1.0 UJ	0.56 J
Styrene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Toluene	ug/L	1.1	1.1	0.89 J	1.0 U	1.4
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TIC-Benzene, 1,2,3 trichloro-	ug/L					
TIC-Ethane, 1,1-difluoro-	ug/L					
TIC-Isobutane	ug/L	1.3 J	1.5 J	2.4 J		1.7 J
TIC-Methane, chlorodifluoro-	ug/L					
TIC-Pentane, 2-methyl-	ug/L					
TIC-Propane, 2-methoxy-2-methyl-	ug/L					
TIC-Sulfur dioxide	ug/L					

U = The chemical was not detected. Value shown is the reporting limit.

J = The result is an estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.

B = The compound is present in the laboratory method blank and may be an indication of contamination from laboratory operations.

SYL00108067

Table 4-3
On-Site Monitoring Well Data
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

VOC DATA, ug/L									
Monitoring Well ID	Vinyl Chloride		trans-Dichloroethene		cis-Dichloroethene		Trichloroethene		Tetrachloroethene
MW-1	5.0	U	5.0	U	5.0	U	25		110
MW-2	50	U	50	U	50	U	26	J	800
MW-3	1.0	U	1.0	U	2.4		4.8		88
MW-4	1.0	U	1.0	U	2.6		24		180
MW-5	100	U	100	U	100	U	100	U	1500
MW-6	1.0	U	1.0	U	1.0	U	1.0	U	3.5
MW-7	1.0	U	1.0	U	4.1		11		1300
MW-8	1.0	U	1.0	U	1.0	U	2.4		19
MW-9	1.0	U	1.0	U	1.0	U	0.59	J	61
MW-10	1.0	U	1.0	U	0.31	J	5.9		650
MW-11	2.5	U	2.5	U	2.5	U	2.5	U	66
MW-12	100	U	100	U	100	U	33	J	1300

Date Sampled: 10/13/2002

Date Analyzed: 10/17/2002-10/23/2002

U = Undetected below the specified reporting limit.

J = Estimated value

E = Exceeded the highest standard for the calibration

SYL00108068

Table 4-4
Field Measured Parameters
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-02

Physico-chemical					
Depth	Elevation (ft amsl)	Specific Conductance uS	pH	Dissolved Oxygen mg/L	ORP mV
78.2	66.08	80	5.80	3.80	114.0
89.3	55.00	91	5.84	6.25	2.4
98.8	45.46	714	6.36	5.52	339.0
109.4	34.88	565	6.15	5.48	323.4
118.6	25.67	418	6.13	4.36	302.6
129.0	15.23	688	5.96	3.82	303.9
139.9	4.40	353	6.23	5.16	274.8
149.5	-5.25	627	6.04	4.76	267.9
159.9	-15.64	595	6.21	4.69	290.1
170.3	-26.07	334	6.33	3.24	288.1
181.5	-37.20	720	6.40	2.97	311.0
190.0	-45.75	310	6.91	2.94	192.2
200.0	-55.74	314	7.10	1.28	180.1
207.9	-63.62	718	6.22	10.06	85.8
217.8	-73.59	333	6.09	5.81	185.2
228.0	-83.78	575	5.94	5.33	225.5
238.0	-93.79	953	5.89	5.23	230.9
248.1	-103.80	1020	6.19	5.78	200.8
258.2	-113.97	1115	5.95	4.91	168.5
266.6	-122.30	249	6.53	12.14	166.0
277.1	-132.85	210	7.48	5.44	102.0
287.1	-142.85	152	7.61	16.33	88.0
297.1	-152.85	202	7.06	16.80	77.0
302.1	-157.80	185	7.04	5.48	28.0

Date Sampled: 10/15-10/20/02, 11/21-12/05/02
Date Analyzed: 10/15-10/20/02, 11/21-12/05/02

SYL00108069

Table 4-4
Field Measured Parameters
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-01

Physico-chemical					
Depth	Elevation (ft amsl)	Specific Conductance uS	pH	Dissolved Oxygen mg/L	ORP mV
78.7	65.79	806	5.87	4.74	42.5
88.7	55.80	1226	6.02	3.38	128.0
98.7	45.78	1017	6.06	4.29	122.0
108.2	36.31	973	5.96	4.09	137.0
117.6	26.93	812	6.02	4.36	83.0
127.6	16.90	266	6.13	4.41	123.0
137.6	6.88	349	6.44	3.85	22.0
147.1	-2.62	287	6.74	2.96	4.0
157.3	-12.76	446	6.26	3.92	225.0
167.2	-22.73	1239	6.14	4.80	199.0
177.2	-32.71	940	5.97	2.55	267.0
187.2	-42.71	282	5.92	2.72	284.0
197.6	-53.11	321	6.47	3.14	192.0
207.3	-62.78	272	6.29	3.60	224.0
217.1	-72.62	282	6.23	3.84	17.0
229.1	-84.65	300	6.19	3.18	206.0
237.6	-93.01	325	6.63	4.77	132.0
245.0	-100.54	335	6.59	5.23	233.0
266.5	-122.01	237	6.21	3.26	80.5
276.5	-132.00	210	6.54	3.53	197.3
286.5	-142.01	175	6.71	3.31	15.7
301.2	-156.67	228	6.68	5.77	

Date Sampled: 10/15-10/22/02
Date Analyzed: 10/15-10/23/02

SYL00108070

Table 4-4
Field Measured Parameters
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-03

Physico-chemical					
Depth	Elevation (ft amsl)	Specific Conductance uS	pH	Dissolved Oxygen mg/L	ORP mV
87.4	55.80	80	6.03	5.58	82.0
97.4	45.80	141	6.28	6.57	87.0
107.4	35.80	978	6.41	5.54	11.0
117.4	25.80	1281	6.41	6.24	24.0
127.4	15.80	1605	6.33	5.72	112.0
137.4	5.80	1675	6.27	5.65	78.0
147.4	-4.20	1292	6.42	1.44	49.0
157.4	-14.20	1305	6.06	4.50	99.0
167.4	-24.20	1382	6.12	5.53	116.0
177.4	-34.20	1843	6.02	6.97	132.0
187.4	-44.20	1398	6.18	5.76	65.0
197.4	-54.20	1775	5.95	6.09	137.0
207.4	-64.20	1420	6.03	4.36	132.0
217.4	-74.20	1089	6.08	5.38	148.0
227.4	-84.20	1435	6.01	6.38	-20.0
237.4	-94.20	1191	5.92	4.74	52.0
247.4	-104.20	1678	6.30	4.52	47.0
257.4	-114.20	2489	6.16	5.22	107.0
267.4	-124.20	2759	6.10	5.19	106.0
277.4	-134.20	3442	6.01	4.16	114.0
287.4	-144.20	2131	6.19	4.67	136.0
297.4	-154.20	1565	6.59	3.17	49.0

Date Sampled: 11/18-11/21/02
Date Analyzed: 11/18-11/21/02

SYL00108071

Table 4-4
Field Measured Parameters
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-04

Physico-chemical					
Depth	Elevation (ft amsl)	Specific Conductance uS	pH	Dissolved Oxygen mg/L	ORP mV
77.5	64.79	73	6.32	1.56	174
87.4	54.84	128	6.90	1.28	168
97.2	45.07	163	6.24	1.77	150
106.7	35.50	97	6.27	1.05	48
117.3	24.99	119	5.77	0.96	119
127.4	14.83	155	6.14	1.10	126
137.5	4.77	179	5.88	0.72	115
147.6	-5.36	178	5.75	0.72	124
157.6	-15.39	261	6.05	1.25	60
167.6	-25.31	224	6.18	1.26	66
177.5	-35.26	188	6.15	0.94	228
187.5	-45.26	158	6.06	0.84	70
197.7	-55.41	226	5.95	1.02	119
207.7	-65.49	183	6.13	1.00	121
217.7	-75.41	321	5.86	1.23	157
227.8	-85.51	371	5.95	1.22	130
237.8	-95.51	600	5.76	1.35	137
247.8	-105.51	590	6.19	0.86	117
257.9	-115.61	428	6.33	0.90	96
267.9	-125.61	686	6.07	1.09	102
277.9	-135.61	583	6.37	0.72	86

Date Sampled: 10/28-11/02/02
Date Analyzed: 10/28-11/02/02

SYL00108072

Table 4-4
Field Measured Parameters
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-05

Physico-chemical					
Depth	Elevation (ft amsl)	Specific Conductance uS	pH	Dissolved Oxygen mg/L	ORP mV
77.5	66.79	100	6.06	5.53	99.0
97.5	46.79	75	5.93	5.70	309.0
107.5	36.79	89	6.07	5.65	197.0
117.3	27.04	604	5.94	7.07	242.0
127.5	16.79	710	6.33	na	72.0
137.5	6.79	825	5.96	na	108.0
147.5	-3.21	925	6.06	na	199.0
157.5	-13.21	980	6.10	na	175.0
167.5	-23.21	1158	6.40	3.00	34.0
177.5	-33.21	1219	5.95	5.30	46.0
187.5	-43.21	1316	5.72	4.54	69.7
197.4	-53.11	1483	5.91	4.06	75.0
207.4	-63.11	1586	6.07	2.59	89.0
217.4	-73.11	1544	6.00	5.98	8.0
227.4	-83.11	1690	6.17	3.46	98.0
237.4	-93.11	1889	6.00	4.85	80.0
247.4	-103.11	1159	6.49	3.24	52.0
262.5	-118.21	2437	6.43	1.34	-81.0
272.4	-128.11	2970	6.53	1.07	-23.0
282.4	-138.11	2134	6.93	2.12	23.0
292.4	-148.11	3062	6.42	0.94	-27.0
299.0	-154.73	2495	6.21	7.01	24.9

Date Sampled: 10/28-11/02/02
Date Analyzed: 10/28-11/02/02

SYL00108073

Table 4-4
Field Measured Parameters
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-06

Physico-chemical

Depth	Elevation (ft amsl)	Specific Conductance uS	pH	Dissolved Oxygen mg/L	ORP mV
82.8	60.39	43	5.66	7.15	177.0
92.8	50.39	67	6.10	7.14	158.0
102.8	40.39	192	6.45	7.42	105.0
112.8	30.39	511	6.64	7.09	46.0
122.8	20.39	671	6.73	7.74	87.0
132.8	10.39	964	6.39	8.04	152.0
142.8	0.39	1189	6.28	7.77	146.0
152.8	-9.61	671	7.74	7.69	131.0
162.8	-19.61	416	7.76	7.36	96.0
172.8	-29.61	626	7.98	7.35	58.0
182.8	-39.61	1428	6.95	10.12	169.0
192.8	-49.61	1240	6.43	7.81	159.0
202.8	-59.61	1438	6.29	7.79	184.0
212.8	-69.61	1638	6.10	7.76	176.0
222.8	-79.61	1888	6.09	8.11	175.0
232.8	-89.61	2013	6.00	7.13	167.0
242.4	-99.21	2146	6.18	4.75	79.0
252.4	-109.21	2510	6.34	3.43	89.0
262.4	-119.21	2554	6.63	3.59	
272.4	-129.21	3042	7.27	3.06	9.8
282.4	-139.21	2694	6.69	2.97	-207.0
291.5	-148.31	3214	6.64	2.60	-44.5

Date Sampled: 11/13-11/18/02
Date Analyzed: 11/13-11/18/02

SYL00108074

Table 4-4
Field Measured Parameters
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-07

Physico-chemical					
Depth	Elevation (ft amsl)	Specific Conductance uS	pH	Dissolved Oxygen mg/L	ORP mV
82.4	62.13	639	5.98	4.95	114.0
92.4	52.13	569	5.53	4.49	174.0
102.4	42.13	708	5.64	4.35	148.0
112.4	32.13	895	5.70	4.26	159.0
122.1	22.43	1317	5.69	3.17	134.0
132.4	12.13	531	5.74	2.70	195.0
142.4	2.13	529	5.73	3.64	176.0
152.4	-7.87	590	5.88	3.42	167.0
162.4	-17.87	684	5.66	3.02	203.0
172.4	-27.87	605	5.68	2.49	188.0
182.4	-37.87	698	5.84	3.34	166.0
192.4	-47.87	804	5.83	4.70	169.0
202.4	-57.87	813	5.78	4.67	64.0
212.4	-67.87	587	5.77	2.18	226.0
222.4	-77.87	488	5.78	4.56	168.0
232.4	-87.87	436	5.90	4.80	204.0
242.4	-97.87	480	5.85	3.70	191.0
252.8	-108.27	423	5.70	2.20	83.0
262.8	-118.27	370	5.70	0.22	106.0
272.8	-128.27	325	6.00	0.04	76.0
282.8	-138.27	392	5.70	0.02	93.0
292.8	-148.27	260	5.70	2.00	115.0
301.0	-156.47	153	5.90	0.20	108.0

Date Sampled: 11/19-12/04/02
Date Analyzed: 11/19-12/04/02

SYL00108075

Table 4-4
Field Measured Parameters
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-08

Physico-chemical					
Depth	Elevation (ft amsl)	Specific Conductance uS	pH	Dissolved Oxygen mg/L	ORP mV
77.6	66.54	87	6.11	5.14	83.0
87.6	56.54	82	5.97	3.51	100.4
97.6	46.54	735	4.82	4.84	13.0
107.6	36.54	501	5.65	4.96	125.6
117.6	26.54	448	5.47	5.47	162.4
127.6	16.54	375	5.46	5.98	153.9
137.6	6.54	435	5.58	5.68	127.5
147.6	-3.46	514	5.60	4.84	128.4
157.6	-13.46	809	5.63	5.24	105.2
167.6	-23.46	877	5.69	5.13	138.3
177.6	-33.46	1140	5.71	3.02	80.2
187.6	-43.46	692	5.93	5.41	98.0
197.6	-53.51	345	5.88	4.78	145.4
207.6	-63.46	375	5.86	4.75	73.5
217.6	-73.46	469	5.70	5.13	119.2
227.6	-83.46	317	5.78	5.20	88.4
237.6	-93.46	328	5.95	6.38	81.6
247.6	-103.51	331	5.94	5.05	97.6
257.6	-113.46	414	5.94	4.39	121.0
267.6	-123.46	555	5.89	3.56	114.4
277.6	-133.46	538	6.20	5.63	-88.9
287.6	-143.46	744	6.14	5.87	-118.3
297.6	-153.46	925	6.19	5.22	-26.0
302.6	-158.51	1147	5.89	3.98	43.6

Date Sampled: 12/03-12/07/02
Date Analyzed: 12/03-12/07/02

SYL00108076

Table 4-4
Field Measured Parameters
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-09

Physico-chemical					
Depth	Elevation (ft amsl)	Specific Conductance uS	pH	Dissolved Oxygen mg/L	ORP mV
82.6	58.96	64	6.55	5.91	75.0
92.6	48.96	78	6.05	5.69	90.0
102.6	38.96	123	5.76	5.84	134.0
112.6	28.96	70	5.90	5.36	132.2
122.6	18.96	146	6.11	3.08	119.0
132.6	8.96	393	7.37	2.74	3.0
142.6	-1.04	449	6.62	4.62	72.0
152.6	-11.04	483	7.27	4.70	53.0
162.6	-21.04	487	7.30	3.80	47.0
172.6	-31.04	430	7.34	4.67	54.0
182.6	-41.03	557	7.36	4.66	27.0
192.6	-51.04	598	7.17	5.27	29.0
202.6	-61.04	588	7.36	4.48	101.0
212.6	-71.04	629	7.32	6.04	78.0
222.6	-81.03	844	7.54	4.73	89.0
232.6	-91.03	1127	7.74	2.59	97.0
242.6	-101.04	1563	7.84	4.17	77.0
252.6	-111.03	1966	6.18	3.77	116.0
263.0	-121.38	1296	6.55	2.17	25.0
272.6	-131.03	475	7.65	2.06	92.0

Date Sampled: 11/13-11/17/02
Date Analyzed: 11/13-11/17/02

SYL00108077

Table 4-4
Field Measured Parameters
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-10

Physico-chemical					
Depth	Elevation (ft amsl)	Specific Conductance uS	pH	Dissolved Oxygen mg/L	ORP mV
77.7	63.27	182	5.99	1.40	228.0
87.8	53.12	239	5.91	0.51	58.0
97.9	43.02	349	6.20	0.90	79.3
108.0	32.97	281	6.14	0.88	142.6
118.1	22.87	466	6.08	0.95	71.3
128.0	12.97	404	5.78	1.14	75.3
138.0	2.97	109	5.98	1.04	99.2
148.0	-7.03	111	5.97	0.85	137.8
158.0	-17.03	371	6.31	0.59	-7.8
168.1	-27.13	770	5.88	1.10	81.9
178.1	-37.13	946	5.89	1.39	106.6
188.2	-47.23	1032	5.98	1.32	107.7
198.2	-57.23	912	6.21	1.43	99.7
208.1	-67.18	1223	6.15	0.95	158.3
218.1	-77.19	996	6.32	1.35	171.7
226.7	-85.73	1522	6.06	1.07	117.6
238.0	-97.08	1950	6.38	1.62	50.3
247.8	-106.88	1964	6.27	1.56	59.0
257.9	-116.98	1979	6.34	0.42	52.1

Date Sampled: 11/03-11/05/02
Date Analyzed: 11/03-11/05/02

SYL00108078

Table 4-4
Field Measured Parameters
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-11

Physico-chemical					
Depth	Elevation (ft amsl)	Specific Conductance uS	pH	Dissolved Oxygen mg/L	ORP mV
87.0	53.92	153	6.47	4.26	-138.0
97.4	43.52	160	5.87	4.40	123.0
107.4	33.52	147	5.82	4.77	156.0
117.4	23.52	124	5.99	3.77	121.0
127.4	13.52	200	6.17	4.51	60.0
137.4	3.52	397	6.63	2.68	6.0
147.4	-6.48	485	7.16	3.22	37.0
157.4	-16.48	486	7.58	3.66	5.0
167.4	-26.48	379	6.28	3.87	114.0
177.4	-36.48	370	6.57	2.15	70.0
187.4	-46.48	431	6.59	2.31	63.0
197.4	-56.48	440	6.51	4.33	113.0
207.4	-66.48	483	6.94	1.45	15.0
217.4	-76.51	501	6.75	3.57	-15.0
227.4	-86.48	501	6.71	3.63	-71.0
237.4	-96.48	466	6.96	4.06	-84.0
247.2	-106.28	444	6.78	4.38	-40.0
257.4	-116.51	496	6.93	2.53	-74.0
267.4	-126.48	592	6.47	6.08	68.0
277.4	-136.48	878	6.34	4.01	-36.0
281.1	-140.21	1290	6.52	2.65	-30.0

Date Sampled: 11/03-11/05/02
Date Analyzed: 11/03-11/05/02

SYL00108079

Table 4-4
Field Measured Parameters
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-12

Physico-chemical					
Depth	Elevation (ft amsl)	Specific Conductance uS	pH	Dissolved Oxygen mg/L	ORP mV
78.9	64.10	399	6.09	4.94	229
87.9	55.06	102	6.16	1.14	225
97.9	45.03	523	6.20	1.08	193
108.0	34.95	666	6.21	0.92	178
118.1	24.89	558	6.31	0.61	256
128.0	14.94	1130	6.49	NC	202
137.6	5.32	1399	5.99	4.66	167
146.4	-3.41	861	7.17	0.53	131
157.8	-14.85	483	6.86	1.00	96
167.6	-24.63	698	6.98	0.95	103
180.3	-37.33	575	7.55	0.62	-164
187.6	-44.68	974	7.72	0.26	-350
197.8	-54.83	1048	7.43	0.20	-395
217.7	-74.75	884	5.68	0.30	156
227.5	-84.50	771	5.91	1.05	122
237.5	-94.50	1194	6.43	0.37	94
247.4	-104.43	708	6.17	0.39	112
257.4	-114.43	1497	6.59	3.72	248
267.5	-124.55	1379	6.56	6.03	241
278.3	-135.35	1887	7.55	3.73	185
287.4	-144.45	191	7.49	2.67	-35
297.1	-154.15	2154	7.20	3.15	64

Date Sampled: 11/13-11/20/02
Date Analyzed: 11/13-11/20/02

SYL00108080

Table 4-4
Field Measured Parameters
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-13

Physico-chemical					
Depth	Elevation (ft amsl)	Specific Conductance uS	pH	Dissolved Oxygen mg/L	ORP mV
76.6	63.67	172	5.69	6.44	119
86.6	53.67	215	5.73	NC	114
96.6	43.67	377	5.83	2.32	102
106.6	33.67	434	5.75	4.23	53
116.6	23.67	499	5.83	3.88	56
126.6	13.67	241	6.03	4.10	61
136.6	3.67	302	6.41	3.75	33
146.6	-6.33	480	6.36	4.03	49
156.6	-16.33	556	6.37	2.25	18
166.6	-26.33	537	6.46	3.65	44
176.6	-36.33	546	6.57	4.10	30
186.6	-46.33	602	6.54	3.09	11
196.6	-56.33	645	6.76	3.69	23
206.6	-66.33	556	6.97	3.27	13
217.3	-77.03	546	7.13	1.50	10
227.3	-87.03	451	6.81	2.64	2
237.3	-97.03	382	6.28	2.83	20
247.3	-107.03	528	6.25	1.03	48
260.7	-120.43	457	7.37	0.44	44
267.3	-127.03	493	6.40	2.46	43

Date Sampled: 12/06-12/11/02

Date Analyzed: 12/06-12/11/02

SYL00108081

Table 4-4
Field Measured Parameters
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-14

Physico-chemical					
Depth	Elevation (ft amsl)	Specific Conductance uS	pH	Dissolved Oxygen mg/L	ORP mV
77.8	62.64	275	6.56	8.14	-82.0
85.8	54.64	472	5.27	3.73	28.0
95.2	45.29	167	6.34	2.37	-57.0
105.3	35.21	115	6.40	4.03	-34.0
115.1	25.32	307	6.52	4.84	-44.0
125.2	15.24	260	6.35	3.86	-21.0
135.1	5.39	226	6.10	7.36	20.0
145.0	-4.58	319	6.05	9.13	45.0
155.1	-14.61	423	6.37	5.97	97.7
165.3	-24.88	575	6.32	7.67	94.0
175.4	-34.89	631	6.52	5.56	69.9
185.5	-45.04	570	6.58	6.85	71.7
195.4	-54.96	463	6.45	6.87	87.3
204.7	-64.24	434	6.32	8.61	90.3
214.8	-74.34	421	6.50	13.41	133.9
224.9	-84.41	401	6.86	8.24	103.8
234.9	-94.48	915	6.00	5.78	132.5
244.8	-104.36	1566	5.99	9.51	157.6

Date Sampled: 12/06-12/10/02

Date Analyzed: 12/06-12/10/02

SYL00108082

Table 4-4
Field Measured Parameters
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

PROFILE ID = P-16

Physico-chemical					
Depth	Elevation (ft amsl)	Specific Conductance uS	pH	Dissolved Oxygen mg/L	ORP mV
81.0	57.67	138	6.02	4.51	111.0
91.0	47.67	92	5.31	4.30	188.0
101.0	37.67	112	6.09	4.59	104.0
111.0	27.67	95	6.08	5.24	131.0
121.0	17.67	383	5.95	5.69	140.0
131.0	7.67	388	5.97	5.44	141.0
141.0	-2.33	431	5.96	5.47	142.0
151.0	-12.33	362	6.14	4.03	118.0
161.0	-22.33	313	6.12	4.77	131.0
171.0	-32.33	280	5.63	5.99	143.0
181.0	-42.33	328	6.31	5.86	120.0
191.0	-52.33	317	6.01	5.41	144.0
201.0	-62.33	260	6.16	4.84	134.0
211.0	-72.33	341	6.02	4.53	133.0
221.0	-82.33	346	6.33	3.97	123.0
231.0	-92.33	422	6.45	3.41	118.0
241.0	-102.33	690	6.92	3.77	73.0
251.0	-112.33	667	7.38	1.05	98.0

Date Sampled: 12/08-12/11/02

Date Analyzed: 11/08-12/11/02

SYL00108083

Table 4-5
Metals in Groundwater
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

Date Sampled	Date Analyzed	Location (depth)	Metal Data ug/L				
			Regulatory Limit (ug/L)				
			NA	50	200	100	NA
			Beryllium	Chromium	Copper	Nickel	Thallium
10/13/2002	10/20/2002	MW-1	5 U	10 U	25 U	40 U	10 U
10/13/2002	10/20/2002	MW-2	5 U	10.4 U	11.2	46.1	10 U
10/13/2002	10/20/2002	MW-3	5 U	10 U	25 U	40 U	10 U
10/13/2002	10/20/2002	MW-4	5 U	10 U	25 U	15.2 J	10 U
10/13/2002	10/20/2002	MW-5	5 U	15.8	25 U	36.0 J	10 U
10/13/2002	10/20/2002	MW-6	5 U	10 U	25 U	40 U	10 U
10/13/2002	10/20/2002	MW-7	5 U	2.5 J	25 U	40 U	10 U
10/13/2002	10/20/2002	MW-8	5 U	10 U	25 U	40 U	10 U
10/13/2002	10/20/2002	MW-9	5 U	10 U	25 U	40 U	10 U
10/13/2002	10/20/2002	MW-10	5 U	10 U	25 U	44.8	10 U
10/13/2002	10/20/2002	MW-11	5 U	10 U	25 U	12.0 J	10 U
10/13/2002	10/20/2002	MW-12	5 U	10 U	25 U	40 U	10 U
10/15/2002	10/28/2002	P-1 (78.7)	5 U	5.2 J	88.6	15.2 J	10 U
10/15/2002	10/28/2002	P-1 (78.7) *	5 U	10 U	19.1 J	71.5	10 U
10/16/2002	10/28/2002	P-1 (98.7)	5 U	37.3	25 U	71.5	10 U
10/15/2002	10/28/2002	P-2 (78.5)	5 U	10.7 J	25 U	32.7 J	10 U
10/15/2002	10/28/2002	P-2 (78.5) *	5 U	17.6 J	53.1 J	22.5	10 U
10/16/2002	10/28/2002	P-2 (98.8)	5 U	5.2 J	25 U	72.0	10 U
10/16/2002	10/28/2002	P-2 (98.8) *	5 U	10 U	25 U	46.9	10 U
11/18/2002	12/03/2002	P-3 (87.40)	5 U	19.3	16.7 J	57.1 J	10 U
11/18/2002	12/03/2002	P-3 (87.40) *	5	3 J	8.9 J	61.2 J	10 U
11/18/2002	12/03/2002	P-3 (107.40)	5 U	5.2 J	27.3	76.8	10 U
11/18/2002	12/03/2002	P-3 (107.40) *	5	5.2 J	25	30 J	10 U
10/28/2002	01/04/2002	P-4 (77.5)	5 U	5.2 J	25 U	5.2 J	10 U
10/28/2002	01/04/2002	P-4 (97.2)	5 U	10 U	25 U	25.3	10 U
10/28/2002	01/04/2002	P-5 (77.5)	5 U	21.3	8.2 J	10.8	10 U
10/28/2002	01/04/2002	P-5 (97.5)	5 U	14.7	25 U	85.5	10 U
11/14/2002	11/20/2002	P-6 (102.8)	5 U	6.0 J	25 U	13.8 J	10 U
11/13/2002	11/20/2002	P-6 (82.8)	5 U	24.1	15.2 J	25.3 J	10 U
11/19/2002	12/03/2002	P-7 (82.4)	5 U	5.2 J	17.0 J	87.7	10 U
11/19/2002	12/03/2002	P-7 (102.4)	5 U	5.2 J	22.0	79.9	10 U
11/19/2002	12/03/2002	P-7 (102.4) *	5 U	4 J	17.0 J	32.2 J	10 U
12/03/2002	12/10/2002	P-8 (77.55)	5 U	5.2 J	17.8 J	10.8	10 U
12/04/2002	12/10/2002	P-8 (97.55)	5 U	13.4 J	25 U	41.8	10 U
11/13/2002	11/20/2002	P-9 (82.61)	5 U	8.5 J	25 U	21.1 J	10 U
11/13/2002	11/20/2002	P-9 (102.61)	5 U	4.0 J	25 U	19.6 J	10 U
11/02/2002	11/11/2002	P-10 (77.6)	5 U	12.8	7.7	24.4 J	10 U
11/02/2002	11/11/2002	P-10 (97.9)	5 U	10 U	25 U	20.8 J	10 U
11/03/2002	11/11/2002	P-11 (87)	5 U	10.6 U	11.2 J	40.0	10 U
11/03/2002	11/11/2002	P-11 (107.4)	5 U	10 U	25 U	50.0	10 U
11/13/2002	11/20/2002	P-12 (78.85)	5 U	28.3 J	10.8 J	45.3 J	10 U
11/13/2002	11/20/2002	P-12 (97.92)	5 U	5.2 J	5.2 J	64.8	10 U
12/06/2002	12/10/2002	P-13 (76.6)	5 U	18.3	14.5 J	35.5 J	10 U
12/06/2002	12/10/2002	P-13 (96.6)	5 U	19.1	11.4 J	51.4	10 U
12/06/2002	12/10/2002	P-13 (96.6) *	5 U	10 U	25 U	42.2	10 U
12/06/2002	12/10/2002	P-14 (77.82)	5 U	5.2 J	188	91.9	10 U
12/06/2002	12/10/2002	P-14 (77.82) *	5 U	3 J	25 U	20.0 J	10 U
12/07/2002	12/16/2002	P-14 (95.17)	5 U	5.2 J	25 U	68.6	10 U
12/07/2002	12/16/2002	P-14 (95.17) *	5 U	10 U	25 U	40 U	10 U
12/08/2002	12/16/2002	P-16 (81)	5 U	38.3	9.9	49.7	10 U
12/08/2002	12/16/2002	P-16 (81)	5 U	10 U	25 U	25.4 J	10 U
12/09/2002	12/16/2002	P-16 (101)	5 U	5 U	25 U	24.4 J	10 U

* Indicates Filtered Sample

Shaded values indicate the compound was detected above NYSDEC regulatory requirements

U = The chemical was not detected. Value shown is the reporting limit.

J = The result is an estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

UJ = The chemical was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the chemical in the sample.

E = Estimated result. The result exceeds the laboratory calibration range. The result is a qualitative value and should not be used in quantitative assessments.

B = The compound is present in the laboratory method blank and may be an indication of contamination from laboratory operations.

SYL00108084

Figure 4-6
Isotopic Radionuclides in Groundwater
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

Boring/Well No.	Sample Description	Radiological Results, pCi/L																			
		U-234				U-235				U-238				Th-232				Th-230			
		Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag
EB-101302		N/A				N/A				N/A				N/A				N/A			
	Dissolved	N/A				N/A				N/A				N/A				N/A			
MW-1		N/A				N/A				N/A				N/A				N/A			
	Dissolved	N/A				N/A				N/A				N/A				N/A			
MW-2		N/A				N/A				N/A				N/A				N/A			
	Dissolved	N/A				N/A				N/A				N/A				N/A			
MW-3		N/A				N/A				N/A				N/A				N/A			
	Dissolved	N/A				N/A				N/A				N/A				N/A			
MW-4		N/A				N/A				N/A				N/A				N/A			
	Dissolved	N/A				N/A				N/A				N/A				N/A			
MW-5		N/A				N/A				N/A				N/A				N/A			
	Dissolved	N/A				N/A				N/A				N/A				N/A			
MW-6		N/A				N/A				N/A				N/A				N/A			
	Dissolved	N/A				N/A				N/A				N/A				N/A			
MW-7		N/A				N/A				N/A				N/A				N/A			
	Dissolved	N/A				N/A				N/A				N/A				N/A			
MW-8		N/A				N/A				N/A				N/A				N/A			
	Dissolved	N/A				N/A				N/A				N/A				N/A			
MW-8 DUP		N/A				N/A				N/A				N/A				N/A			
	Dissolved	N/A				N/A				N/A				N/A				N/A			
MW-9		N/A				N/A				N/A				N/A				N/A			
	Dissolved	N/A				N/A				N/A				N/A				N/A			
MW-10		N/A				N/A				N/A				N/A				N/A			
	Dissolved	N/A				N/A				N/A				N/A				N/A			
MW-11		N/A				N/A				N/A				N/A				N/A			
	Dissolved	N/A				N/A				N/A				N/A				N/A			
MW-12		N/A				N/A				N/A				N/A				N/A			
	Dissolved	N/A				N/A				N/A				N/A				N/A			

U=Undetected below the specified reporting limit
J=The result is an estimated concentration because the result was below the sample reporting limit.
UJ=The chemical was not detected at or above the sample reporting limit, which is approximate

SYL00108085

Figure 4-6
Isotopic Radionuclides in Groundwater
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

Boring/Well No.	Sample Description	Radiological Results, pCi/L																							
		U-234				U-235				U-238				Th-232				Th-230				Th-232			
		Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag
P-1	78.7"	N/A				N/A				N/A				N/A				N/A				N/A			
	78.7" - Dissolved	N/A				N/A				N/A				N/A				N/A				N/A			
	98.7"	N/A				N/A				N/A				N/A				N/A				N/A			
	98.7" - Dissolved	N/A				N/A				N/A				N/A				N/A				N/A			
P-2	78.5"	0.36	0.21	0.14	J	0.07	0.11	0.21	U	0.26	0.17	0.14	J	0.054	0.098	0.2	U	0.48	0.25	0.21	J	-0.005	0.011	0.13	U
	78.5" - Dissolved	0.16	0.13	0.15	U	0.026	0.066	0.15	U	0.16	0.14	0.18	U	0.18	0.18	0.18	J	0.81	0.37	0.3	J	0.057	0.092	0.16	U
	98.8"	1.24	0.44	0.18		0.032	0.085	0.087	U	1.27	0.44	0.12		0.15	0.17	0.3	U	0.71	0.34	0.23	J	0	0	0.08	U
	98.8" - Dissolved	0.17	0.12	0.1	J	0.021	0.054	0.13	U	0.48	0.22	0.16	J	0.1	0.12	0.21	U	0.27	0.21	0.3	U	-0.006	0.059	0.21	U
P-3	107.4"	N/A				N/A				N/A				N/A				N/A				N/A			
	107.4" - Dissolved	N/A				N/A				N/A				N/A				N/A				N/A			
	87.4"	N/A				N/A				N/A				N/A				N/A				N/A			
	87.4" - Dissolved	N/A				N/A				N/A				N/A				N/A				N/A			
P-4	77.5"	N/A				N/A				N/A				N/A				N/A				N/A			
	77.5" - Dissolved	N/A				N/A				N/A				N/A				N/A				N/A			
	97.2"	N/A				N/A				N/A				N/A				N/A				N/A			
	97.2" - Dissolved	N/A				N/A				N/A				N/A				N/A				N/A			
P-5	77.5"	N/A				N/A				N/A				N/A				N/A				N/A			
	77.5" - Dissolved	N/A				N/A				N/A				N/A				N/A				N/A			
	97.5"	N/A				N/A				N/A				N/A				N/A				N/A			
	97.5" - Dissolved	N/A				N/A				N/A				N/A				N/A				N/A			
P-6	102.8"	0.71	0.35	0.1	J	0.07	0.13	0.26	U	0.83	0.33	0.1	J	0.08	0.14	0.28	U	0.41	0.22	0.12	J	0.000	0	0.07	U
	102.8" - Dissolved	N/A				N/A				N/A				N/A				N/A				N/A			
	82.8"	2.69	0.84	0.210		0.14	0.18	0.13	J	2.43	0.78	0.1		0.09	0.16	0.3	U	1.16	0.45	0.17	J	0.21	0.17	0.16	J
	82.8" - Dissolved	N/A				N/A				N/A				N/A				N/A				N/A			
P-6 DUP	102.8"	0.65	0.34	0.18	J	0.14	0.18	0.12	J	0.48	0.26	0.21	J	0.12	0.18	0.36	U	0.75	0.36	0.09	J	-0.014	0.02	0.19	U
	102.8" - Dissolved	N/A				N/A				N/A				N/A				N/A				N/A			
	82.8"	N/A				N/A				N/A				N/A				N/A				N/A			
	82.8" - Dissolved	N/A				N/A				N/A				N/A				N/A				N/A			
P-7	102.4"	0.35	0.24	0.1	J	0.048	0.098	0.13	U	0.14	0.16	0.22	U	-0.038	0.032	0.24	UU	0.8	0.3	0.19	J	0.031	0.062	0.084	U
	102.4" - Dissolved	0.07	0.11	0.18	U	0	0	0.1	U	0.036	0.077	0.1	U	0.04	0.12	0.26	U	0.66	0.3	0.15	J	0.053	0.076	0.078	U
	82.4"	0.12	0.16	0.21	U	0.1	0.16	0.26	U	0.22	0.2	0.12	J	0.02	0.12	0.3	UU	0.66	0.32	0.17	J	0.03	0.081	0.082	UU
	82.4" - Dissolved	N/A				N/A				N/A				N/A				N/A				N/A			

U=Undetected below the specified reporting limit
J=The result is an estimated concentration because the result was below the sample reporting limit.
UU=The chemical was not detected at or above the sample reporting limit, which is approximate

SYL00108086

Figure 4-d
Isotopic Radionuclides in Groundwater
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

Borehole/Well No.	Sample Description	Radiological Results, pCi/L											
		U-234			U-235			Th-232			Th-231		
		Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag
P-3	77.55'	N/A				N/A				N/A			
	77.66' - Dissolved												
	87.58'	N/A				N/A				N/A			
P-9	87.88' - Dissolved												
	102.61'	N/A				N/A				N/A			
	82.81'	N/A				N/A				N/A			
P-10	82.81' - Dissolved												
	77.8'	N/A				N/A				N/A			
	77.8' - Dissolved												
P-11	87.8'	N/A				N/A				N/A			
	107.4' - Dissolved												
	87'	0.35	0.25	0.12	J	0.41	0.27	0.34	J	0.32	0.21	0.08	U
P-12	78.85'	N/A				N/A				N/A			
	78.85' - Dissolved												
	97.82'	N/A				N/A				N/A			
P-13	97.82' - Dissolved												
	78.8'	N/A				N/A				N/A			
	78.8' - Dissolved												
P-14	98.8'	N/A				N/A				N/A			
	98.8' - Dissolved												
	77.85'	N/A				N/A				N/A			
P-15	77.85' - Dissolved												
	95.17'	N/A				N/A				N/A			
	95.17' - Dissolved												
P-16	101'	N/A				N/A				N/A			
	101' - Dissolved												
	81'	N/A				N/A				N/A			

N/A = Not Analyzed

U=Undetected below the specified reporting limit
J=The result is an estimated concentration because the result was below the sample reporting limit.
U=The chemical was not detected at or above the sample reporting limit, which is approximate

Gamma Spectroscopy in Groundwater
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

Boring/Well No.	Sample Description	Radiological Results, pCi/L															
		K-40				Cs-137				Ac-228				Pb-212			
		Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag
ED-101302	Dissolved	-44	72	150	U	-6.2	5.5	11	UJ	15	21	43	U	-14.3	7.7	14	UJ
			N/A				N/A				N/A				N/A		
MW-1	Dissolved	-116	65	120	UJ	-0.8	5.3	10	U	4	20	39	U	-3.8	8	16	U
			N/A				N/A				N/A				N/A		
MW-2	Dissolved	-63	64	130	U	-11.2	6.6	12	UJ	18	20	42	U	-9	8	16	UJ
			N/A				N/A				N/A				N/A		
MW-3	Dissolved	-44	68	140	U	-10.3	6	12	UJ	-0.2	20	37	U	-16.7	8.9	16	UJ
			N/A				N/A				N/A				N/A		
MW-4	Dissolved	-90	67	120	UJ	-5.5	4.7	9	UJ	3	19	37	U	-16.9	7.3	13	UJ
			N/A				N/A				N/A				N/A		
MW-5	Dissolved	-51	74	160	U	-10.6	6	11	UJ	19	22	42	U	-14.2	8.5	15	UJ
			N/A				N/A				N/A				N/A		
MW-6	Dissolved	-85	74	150	UJ	-9.5	5.8	10	UJ	-5	20	37	U	-13.7	7.9	14	UJ
			N/A				N/A				N/A				N/A		
MW-7	Dissolved	-9	74	160	U	3.2	5.9	11	U	23	23	46	U	-11	8	15	UJ
			N/A				N/A				N/A				N/A		
MW-8	Dissolved	-49	61	130	U	-14.6	6.5	12	UJ	5	20	38	U	-22.8	9.2	15	UJ
			N/A				N/A				N/A				N/A		
MW-8 DUP	Dissolved	-34	61	140	U	1	4.8	9.4	U	-18	19	37	U	-15.9	7.8	14	UJ
			N/A				N/A				N/A				N/A		
MW-9	Dissolved	-8	70	150	U	-9.1	4.9	8.2	UJ	7	17	35	U	-12.1	8.1	15	UJ
			N/A				N/A				N/A				N/A		
MW-10	Dissolved	-55	65	130	U	-8.8	6	12	UJ	-3	19	35	U	-18.1	8.5	15	UJ
			N/A				N/A				N/A				N/A		
MW-11	Dissolved	-114	63	110	UJ	0.6	7	15	U	2	21	40	U	-17.1	8.8	16	UJ
			N/A				N/A				N/A				N/A		
MW-12	Dissolved	-22	71	150	U	-5.6	5.6	10	U	22	22	45	U	-19.4	8.1	14	UJ
			N/A				N/A				N/A				N/A		
P-1	78.7'	-45	71	150	U	-2.4	5.1	8.9	U	-3	23	48	U	-15.7	7.9	14	UJ
	78.7' - Dissolved	-46	74	150	U	-6.6	5.9	11	UJ	17	21	42	U	-24	8.5	14	UJ
	98.7'	-29	69	140	U	-9	6.3	13	UJ	15	19	39	U	-22.5	9.5	16	UJ
	98.7' - Dissolved		N/A				N/A				N/A				N/A		
P-2	78.5'	-32	60	130	U	-4.5	6.4	14	U	13	21	42	U	-20	8.8	15	UJ
	78.5' - Dissolved	-90	73	140	UJ	-8.4	5.4	9.4	UJ	-0.1	23	42	U	-23.7	8.3	14	UJ
	98.8'	-68	71	140	U	-9.1	6.4	13	UJ	0.8	22	41	U	-20.1	8.6	15	UJ
	98.8' - Dissolved	-22	82	170	U	-2.7	5.3	11	U	3	20	39	U	-15.3	8.4	15	UJ

U=Undetected below the specified reporting limit.

J=The result is an estimated concentration because the result was below the sample reporting limit.

UJ=The chemical was not detected at or above the sample reporting limit, which is approximate.

SYL00108088

Gamma Spectroscopy in Groundwater
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

Boring/Well No.	Sample Description	Radiological Results, pCVL															
		K-40				Cs-137				Ac-228				Pb-212			
		Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag
P-3	107.4'	-20	63	140	U	-1.8	5.1	9	U	-16	19	36	U	-13.1	8.5	16	UJ
	107.4' - Dissolved	-22	61	140	U	-5.7	6.6	12	U	-29	22	31	UJ	-13.2	8	15	UJ
	87.4'	-64	70	150	U	1.7	4.9	9.7	U	-22	23	43	U	-12.6	7.6	14	UJ
	87.4' - Dissolved	N/A				N/A				N/A				N/A			
P-4	77.5'	8	72	160	U	-5.2	5.9	11	U	8	22	42	U	-21.1	8.5	14	UJ
	77.5' - Dissolved	N/A				N/A				N/A				N/A			
	97.2'	-9	83	140	U	-0.05	5.7	10	U	27	21	44	U	-13.8	7.7	14	UJ
	97.2' - Dissolved	N/A				N/A				N/A				N/A			
P-5	77.5'	-44	66	140	U	-8.6	4.9	8.4	UJ	19	23	46	U	-11.2	7.8	14	UJ
	77.5' - Dissolved	N/A				N/A				N/A				N/A			
	97.5'	62	62	140	U	-11.7	6.8	13	UJ	12	19	39	U	-17.8	8.8	15	UJ
	97.5' - Dissolved	N/A				N/A				N/A				N/A			
P-6	102.8'	-105	59	110	UJ	0.01	5	9.4	U	-19	18	36	UJ	-5.4	7.3	15	U
	102.8' - Dissolved	N/A				N/A				N/A				N/A			
	82.8'	-51	65	130	UJ	-11.8	6.7	13	UJ	5	19	36	U	-29.7	9.4	14	UJ
	82.8' - Dissolved	N/A				N/A				N/A				N/A			
P-6 DUR	102.8'	64	83	190	U	1.9	5.5	11	U	-9	22	44	U	-23.5	8.2	14	UJ
	102.8' - Dissolved	N/A				N/A				N/A				N/A			
	82.8'	N/A				N/A				N/A				N/A			
	82.8' - Dissolved	N/A				N/A				N/A				N/A			
P-7	102.4'	-59	70	150	U	-2.3	5.3	9.3	U	-36	22	37	UJ	-9.8	8.1	15	UJ
	102.4' - Dissolved	-31	64	140	U	3.4	5.9	11	U	-13	23	40	U	-9	7.9	13	UJ
	82.4'	-16	67	140	U	-11.3	8.6	13	UJ	12	20	39	U	-18.6	8.7	15	UJ
	82.4' - Dissolved	N/A				N/A				N/A				N/A			
P-8	77.55'	-51	57	120	U	-11.5	6.7	13	UJ	14	22	44	U	-19.4	9.1	16	UJ
	77.55' - Dissolved	N/A				N/A				N/A				N/A			
	97.55'	-76	71	140	UJ	4	4.8	9.9	U	9	24	46	U	-23.3	8.7	15	UJ
	97.55' - Dissolved	N/A				N/A				N/A				N/A			
P-9	102.61'	-56	70	140	U	-12.3	8.3	12	UJ	-1	20	37	U	-28.4	9.4	14	UJ
	102.61' - Dissolved	N/A				N/A				N/A				N/A			
	82.61'	-41	69	140	U	-6.1	5.3	9.8	UJ	12	19	39	U	-14.4	7.9	14	UJ
	82.61' - Dissolved	N/A				N/A				N/A				N/A			
P-10	77.6'	-23	69	37	UJ	-9.4	6.3	17	UJ	14	21	10	U	-29.5	9.9	17	UJ
	77.6' - Dissolved	N/A				N/A				N/A				N/A			
	97.9'	-12	76	170	U	2.3	5.1	10	U	-30	21	38	UJ	-19.4	8.7	15	UJ
	97.9' - Dissolved	N/A				N/A				N/A				N/A			

U=Undetected below the specified reporting limit.

J=The result is an estimated concentration because the result was below the sample reporting limit.

UJ=The chemical was not detected at or above the sample reporting limit, which is approximate.

SYL00108089

Gamma Spectroscopy In Groundwater
GTEOSI
Former Sylvania Electric Products Facility
Hicksville, NY

Boring/Well No.	Sample Description	Radiological Results, pCi/L															
		K-40				Cs-137				Ac-228				Pb-212			
		Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag	Result	Uncertainty	MDA	Flag
P-11	107.4'	-4	73	160	U	-3.1	5.7	9.5	U	28	27	52	U	-17.5	8.2	15	UJ
	107.4' - Dissolved	N/A				N/A				N/A				N/A			
	87'	-100	67	130	UJ	0.2	5.1	9.8	U	-9	23	47	U	-14.8	8.3	15	UJ
	87' - Dissolved	N/A				N/A				N/A				N/A			
P-12	78.85'	-20	67	150	U	2.6	5.4	11	U	-22	20	36	UJ	-20	8.1	14	UJ
	78.85' - Dissolved	N/A				N/A				N/A				N/A			
	97.92'	-45	70	140	U	-9.5	6.5	13	UJ	27	25	48	U	-14.9	9	16	UJ
	97.92' - Dissolved	N/A				N/A				N/A				N/A			
P-13	76.6'	-39	68	140	U	1.5	5.7	11	U	12	21	42	U	-22.4	8.1	14	UJ
	76.6' - Dissolved	N/A				N/A				N/A				N/A			
	96.6'	-63	83	160	U	-0.8	5.7	10	U	-2	20	37	U	-19.6	8.4	15	UJ
	96.6' - Dissolved	-35	64	140	U	-2.4	6	10	U	18	19	40	U	-2.8	8.8	17	U
P-14	77.82'	-48	70	140	U	-9.3	6.7	13	UJ	0.7	20	38	U	-22.4	9.6	15	UJ
	77.82' - Dissolved	-38	64	130	U	-13.6	6.7	12	UJ	2	20	37	U	-16.2	8.6	15	UJ
	95.17'	-37	67	140	U	4.8	4.9	10	U	-22	23	41	U	-9.8	8.7	16	UJ
	95.17' - Dissolved	-55	72	140	U	-8.7	6.2	12	UJ	15	20	40	U	-20.8	8.9	15	UJ
P-16	101'	-31	63	140	U	3.6	5.5	11	U	-8	20	42	U	-10.5	8.5	16	UJ
	101' - Dissolved	N/A				N/A				N/A				N/A			
	81'	-45	68	150	U	-1.2	6.1	11	U	-43	21	28	UJ	-23.4	8.4	14	UJ
	81' - Dissolved	-4	77	170	U	5.9	5.2	11	U	-11	24	46	U	-17.5	7.9	14	UJ

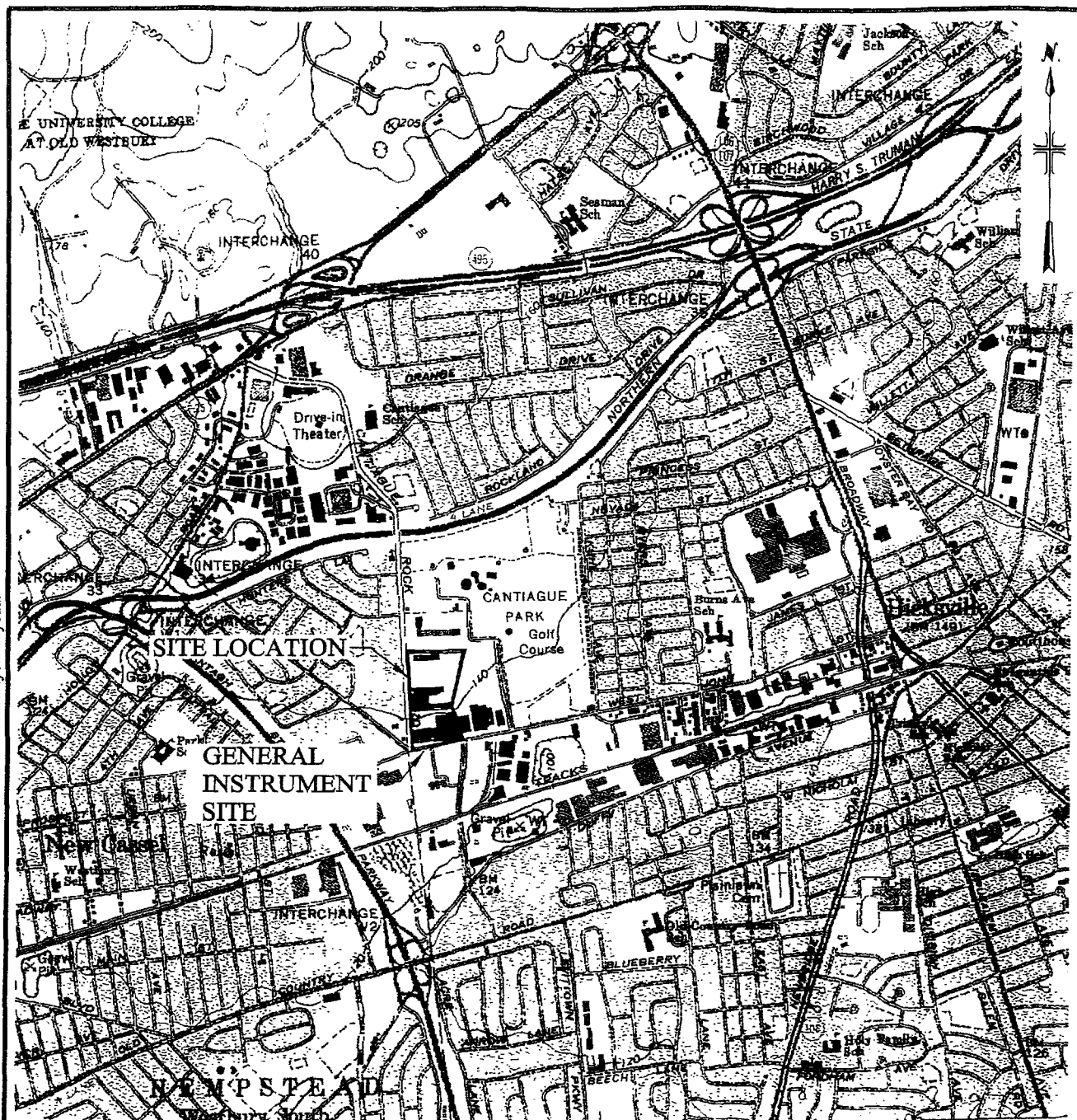
N/A = Not Analyzed

U=Undetected below the specified reporting limit.
J=The result is an estimated concentration because the result was below the sample reporting limit.
UJ=The chemical was not detected at or above the sample reporting limit, which is approximate.

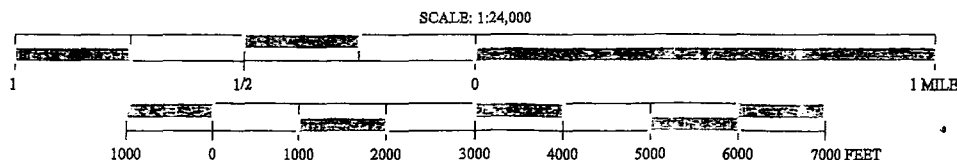
SYL00108090

FIGURES

User: groncki Spec: NYC STANDARD File: J:\4563001\FRAME.DWG Scale: 1:1 Date: 02/10/2003 Time: 17:02 Layout: Layout1



SOURCE: PORTION OF USGS (TOPOGRAPHIC)
HICKSVILLE, NEW YORK 1967.
PHOTO REVISED 1979.



**MALCOLM
PIRNIE**

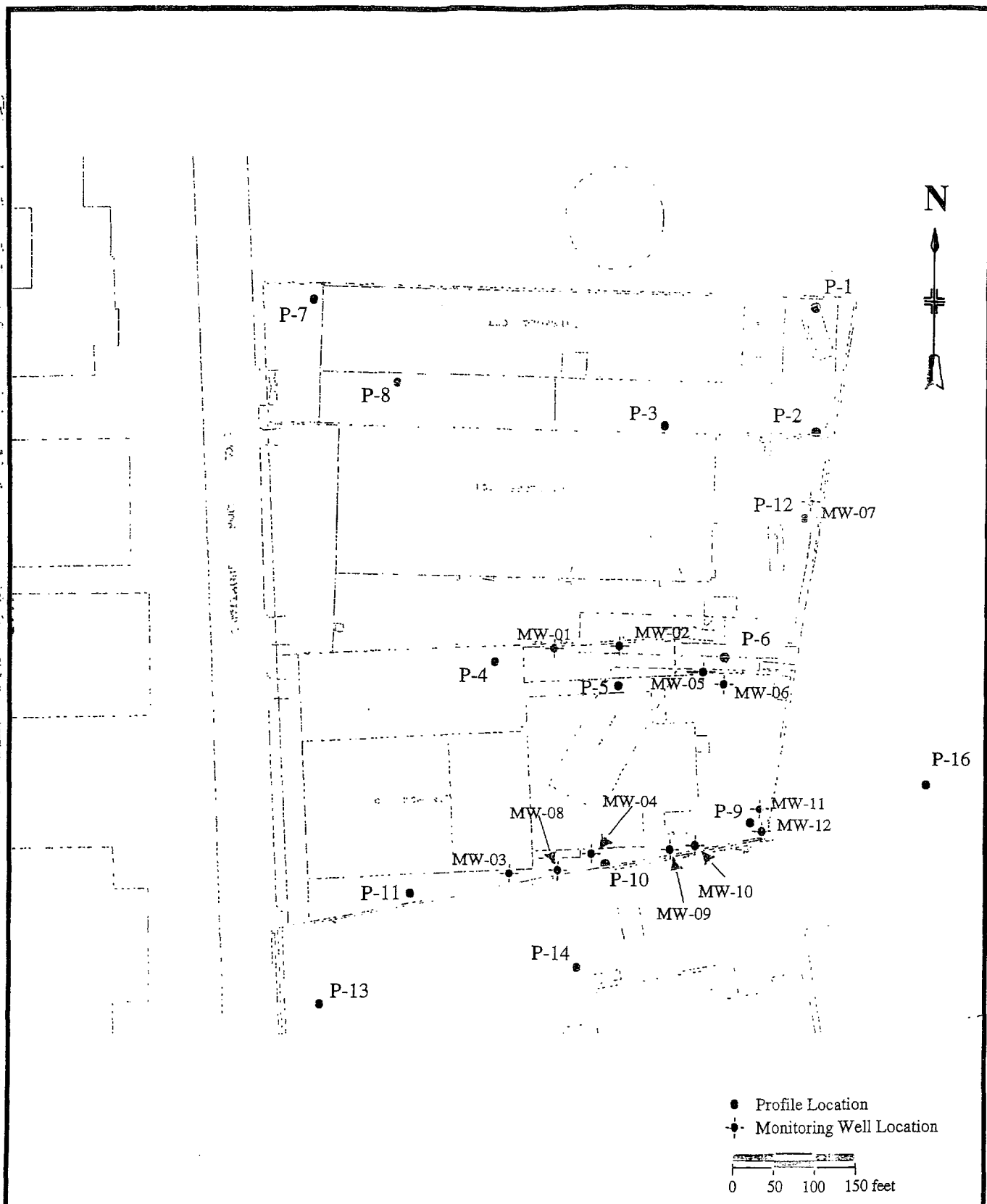
MALCOLM PIRNIE, INC.
FAIR LAWN, NJ

Site Location Map

GTEOSI
Former Sylvania
Electric Products Facility
Hicksville, New York

Figure
1-1

SYL00108091



MALCOLM PIRNIE <small>MALCOLM PIRNIE, INC. FAIR LAWN, NJ</small>	Profile and Monitoring Well Locations	GTEOSI Former Sylvania Electric Products Facility Hicksville, NY	Figure 1-2
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SYL00108092

System	Series	Geologic Units		Hydrogeologic Unit	Range of Thickness	Range of Altitude of Upper Surface, in feet above or below sea level
Quaternary	Holocene	Shore, beach Salt-Marsh deposits, and alluvium				
	Pleistocene	Wisconsin Glaciation (Harbor Hill, Interstadial Marine, and Ronkonkoma Drift)	Till (ground terminal moraine) Outwash 20-foot Clay (marine)	Upper Glacial aquifer	0 to 450	Land Surface
		Sangamon Interglaciation	Gardiners Clay (marine)	Gardiners Clay	0 to 320	-40 to -250
		Pre-Wisconsin Glaciation (Illinoian)	Jameco Gravel	Jameco aquifer	0 to 185	-90 to -450
Tertiary	Pliocene	Mannetto Gravel		Unsaturated	0-220	0 to -120
Cretaceous	Upper Cretaceous	Matawan Group - Magothy Formation (undifferentiated)		Magothy aquifer	0 to 800	200 to -350
		Raritan Formation	Clay member	Raritan Clay confining unit	0 to 300	-100 to -1,000
			Lloyd sand member	Lloyd aquifer	0 to 300	-200 to -1,200
Precambrian		Crystalline Bedrock		Bedrock	--	-400 to -1,500

**MALCOLM
PIRNIE**

MALCOLM PIRNIE, INC.
FAIR LAWN, NJ

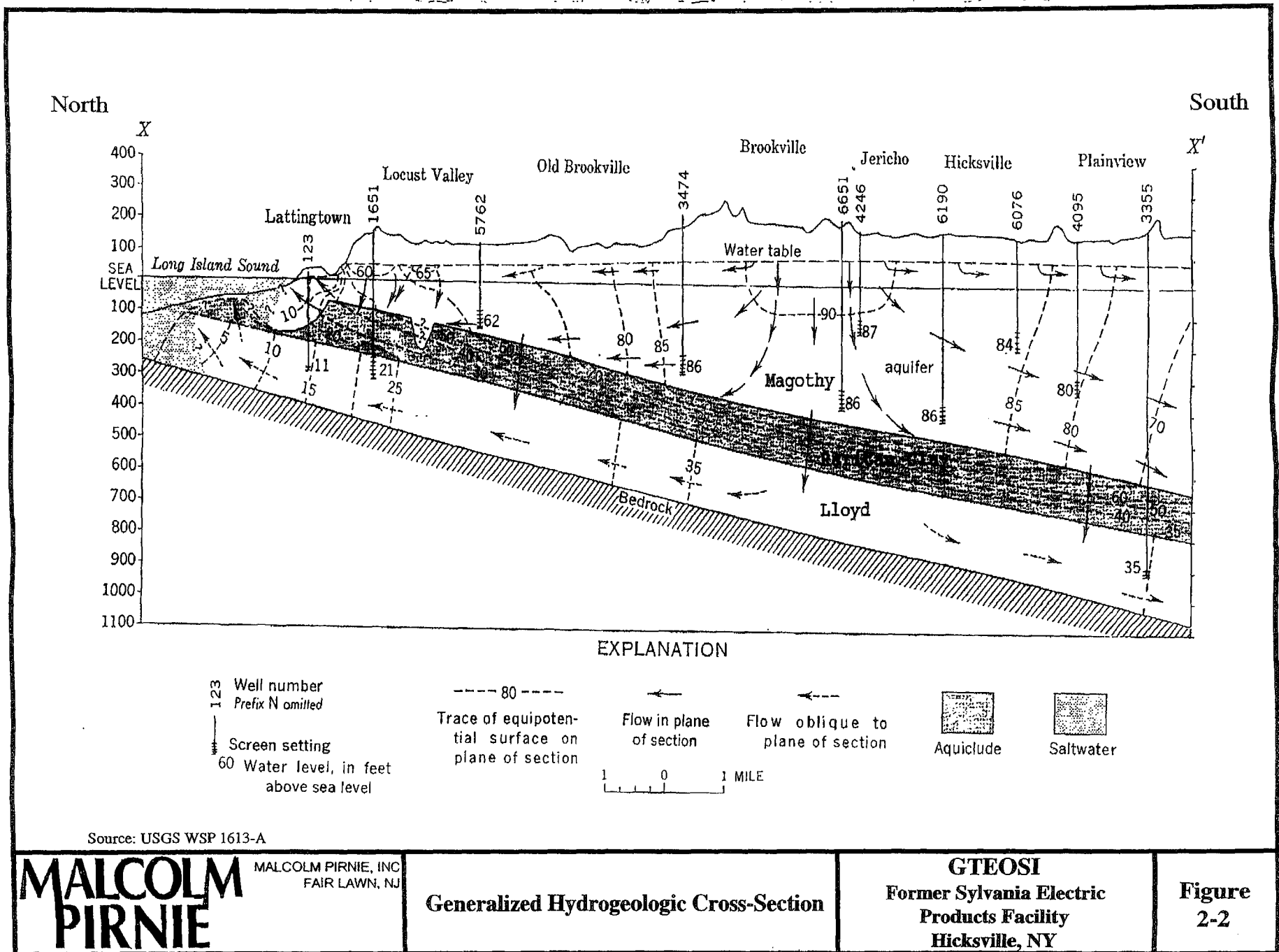
**Stratigraphic Column of
Nassau County**

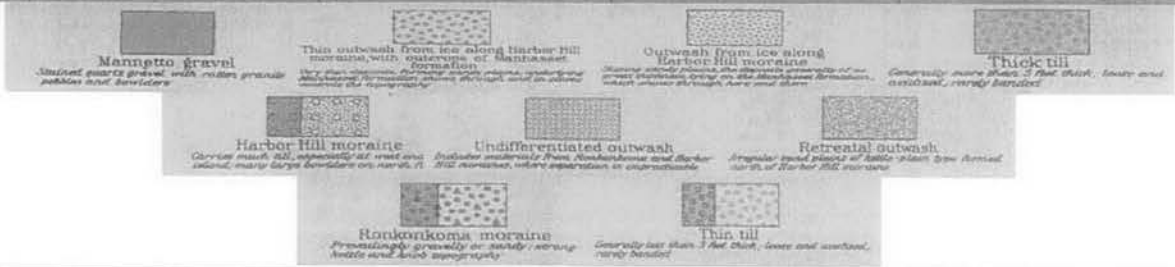
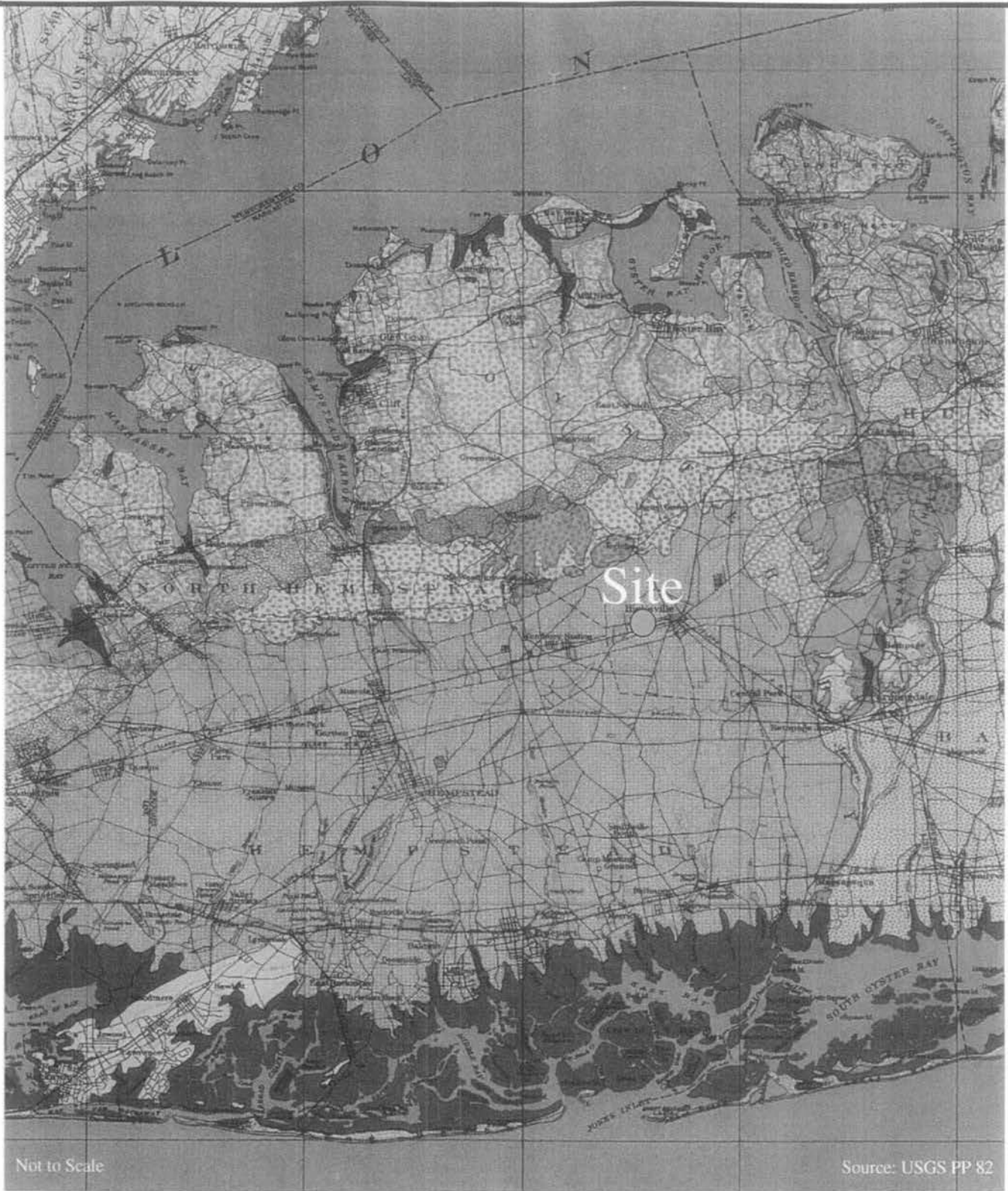
**GTEOSI
Former Sylvania Electric
Products Facility
Hicksville, NY**

**Figure
2-1**

SYL00108093

SYL00108094





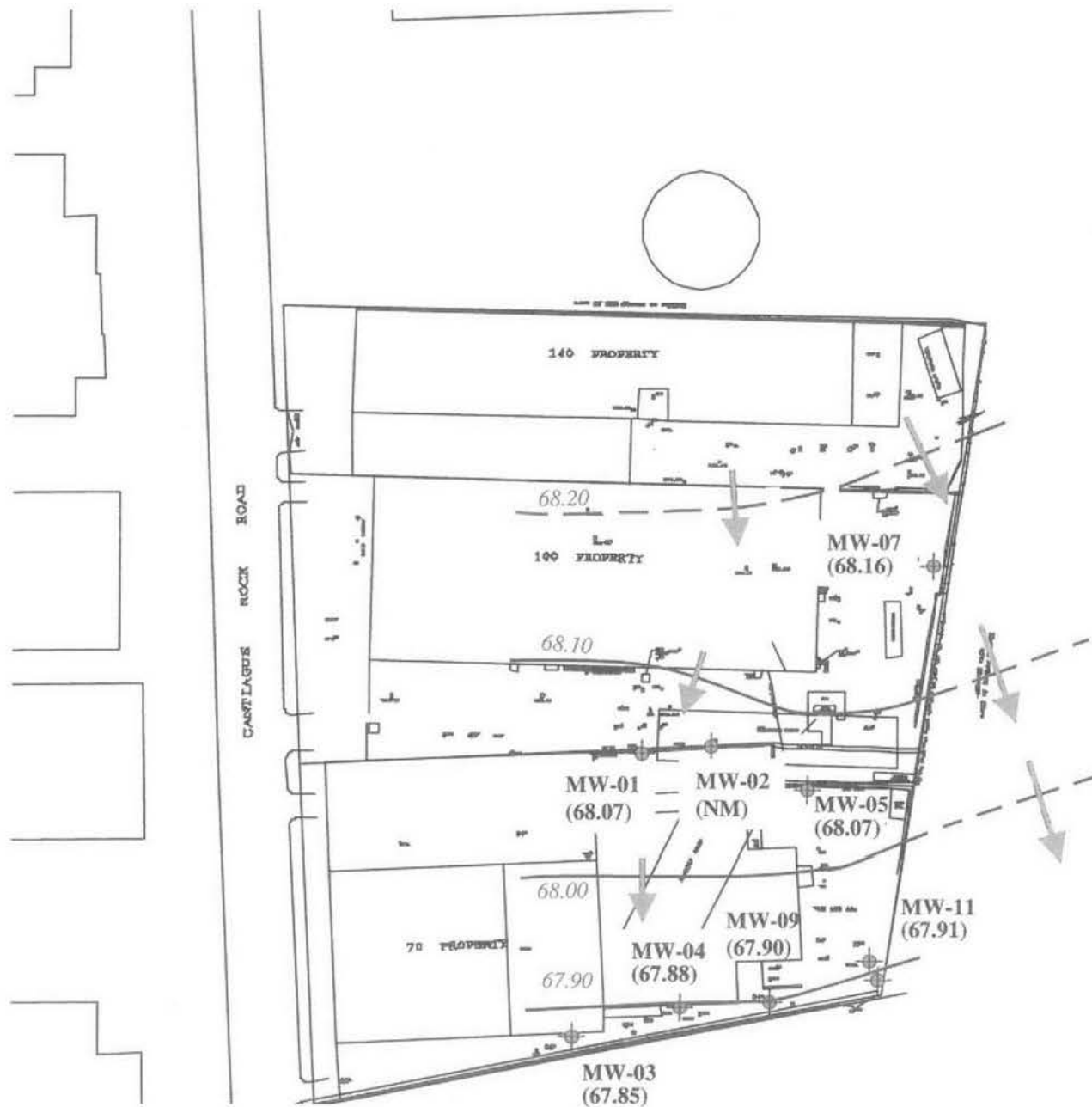
**MALCOLM
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FAIR LAWN, NJ

Surficial Geologic Map of Long Island

GTEOSI
Former Sylvania Electric
Products Facility
Hicksville, NY

**Figure
2-3**



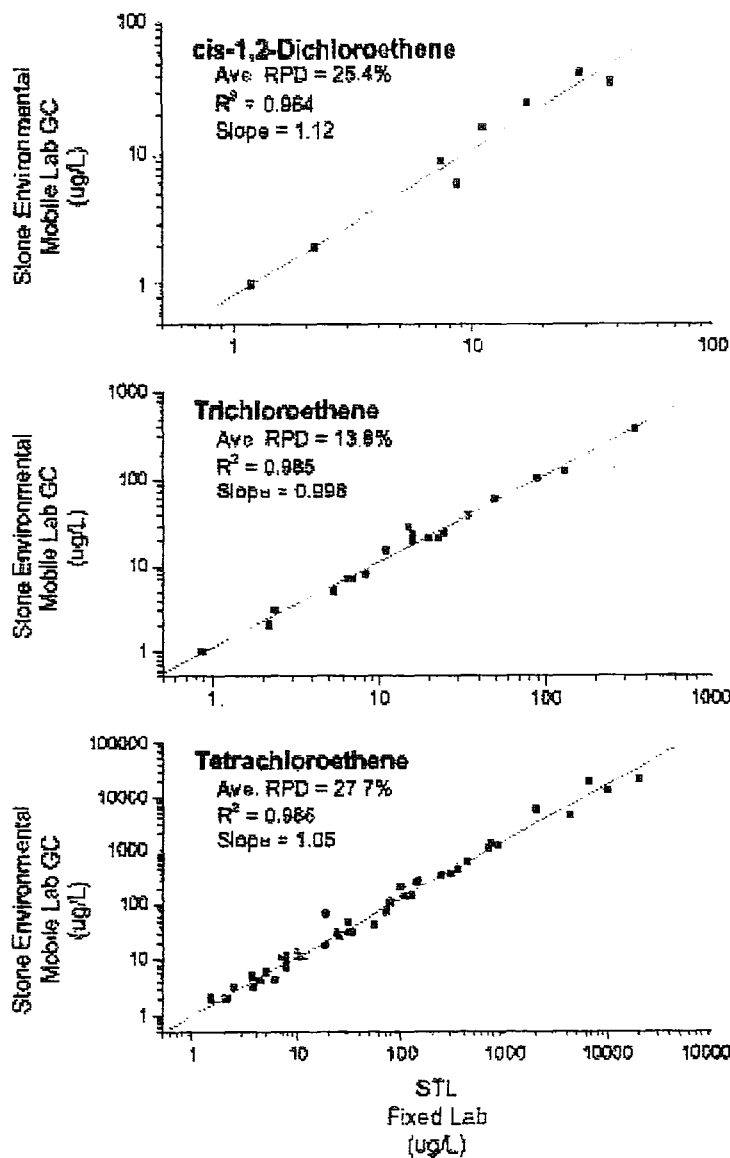
**MALCOLM
PIRNIE**

MALCOLM PIRNIE, INC.
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Water Table Map (December 9, 2002)

GTEOSI
Former Sylvania Electric
Products Facility
Hicksville, NY

**Figure
2-4**



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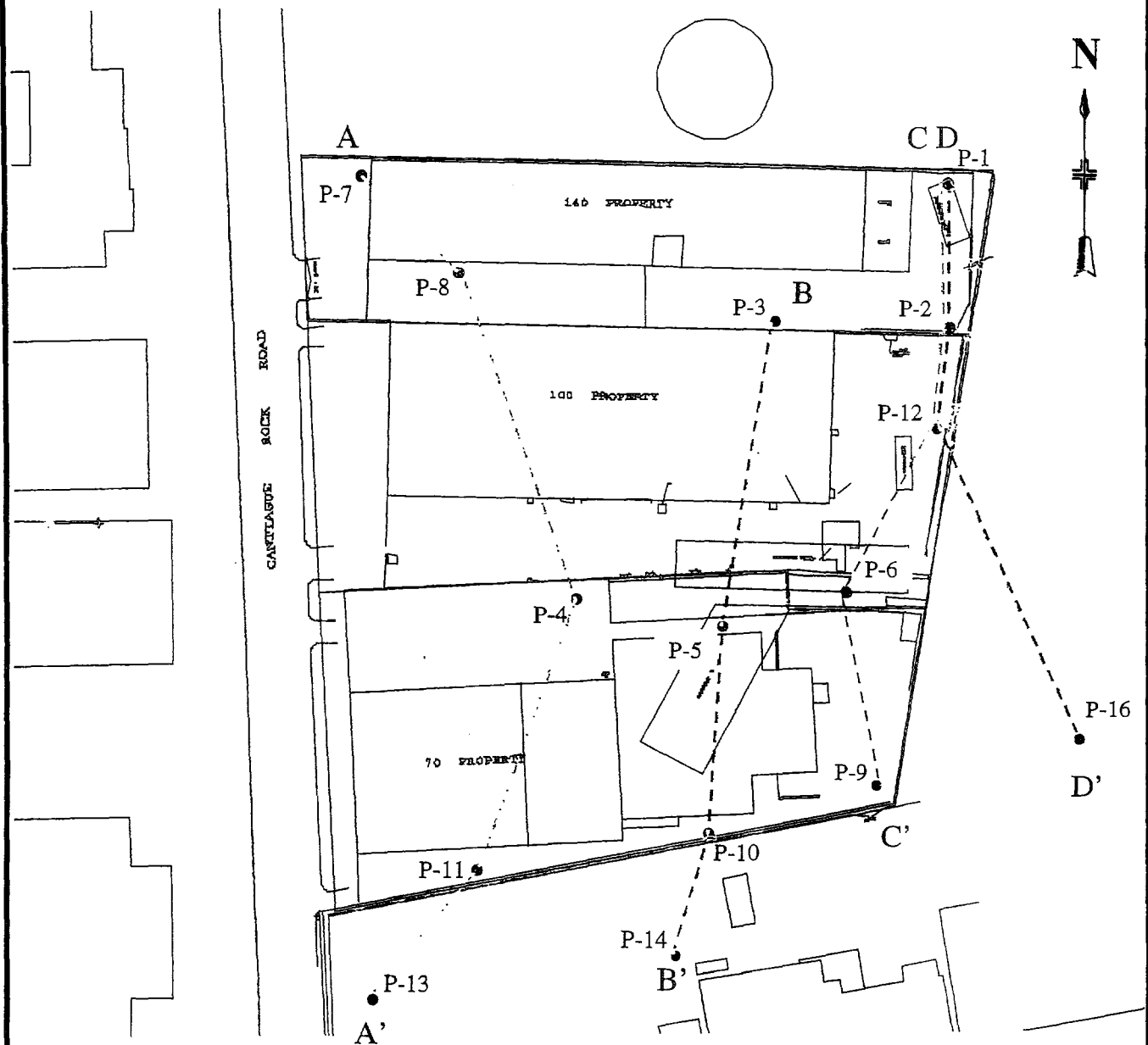
MALCOLM PIRNIE, INC
FAIR LAWN, NJ

Correlation of Stone
Environmental, Inc Data and
STL Laboratory Data

GTEOSI
Former Sylvania Electric
Products Facility
Hicksville, NY

Figure
3-1

SYL00108097



Note:

- A-A' Cross-section data is shown on Figure 3-2
- B-B' Cross-section data is shown on Figure 3-3
- C-C' Cross-section data is shown on Figure 3-4
- D-D' Cross-section data is shown on Figure 3-5

**MALCOLM
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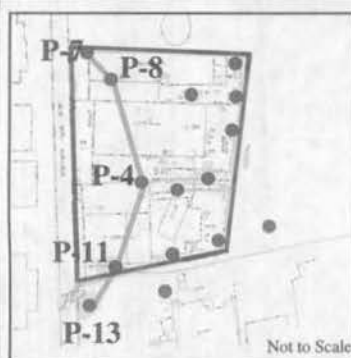
MALCOLM PIRNIE, INC.
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**Cross-Sectional Profile
Locations**

GTEOSI
Former Sylvania Electric
Products Facility
Hicksville, NY

**Figure
4-1**

SYL00108098



North
P-7

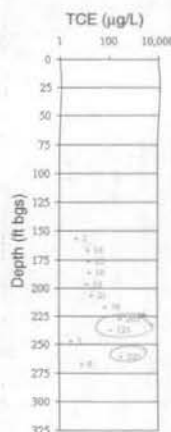
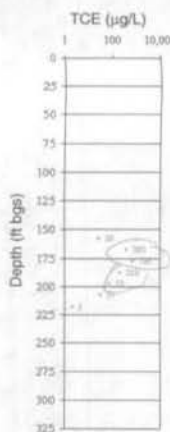
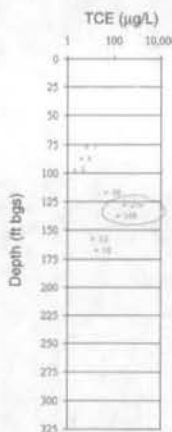
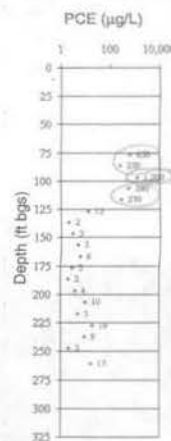
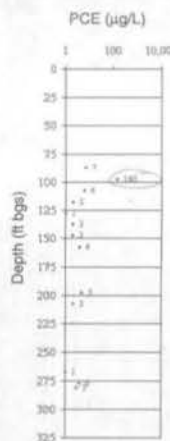
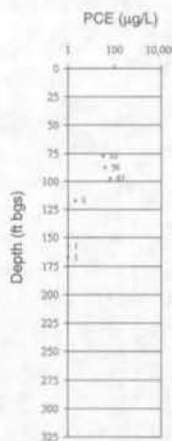
P-8

P-4

P-11

South
P-13

Distance Between Profiles
Scale = 1-inch to 100 ft



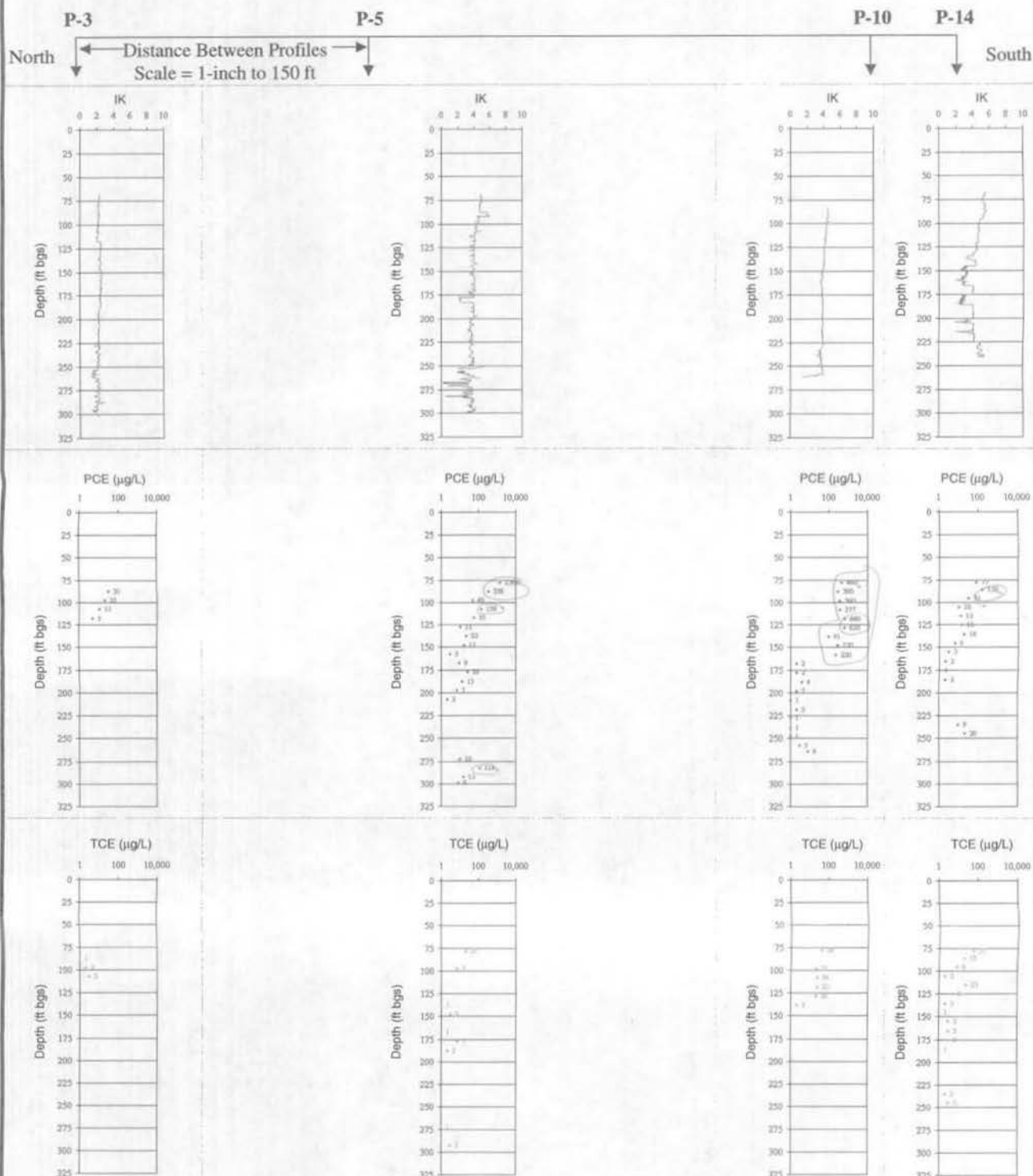
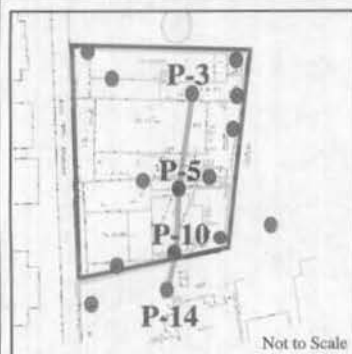
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A-A' Profile Data TCE, PCE, and IK

GTEOSI
Former Sylvania Electric
Products Facility
Hicksville, NY

**Figure
4-2**



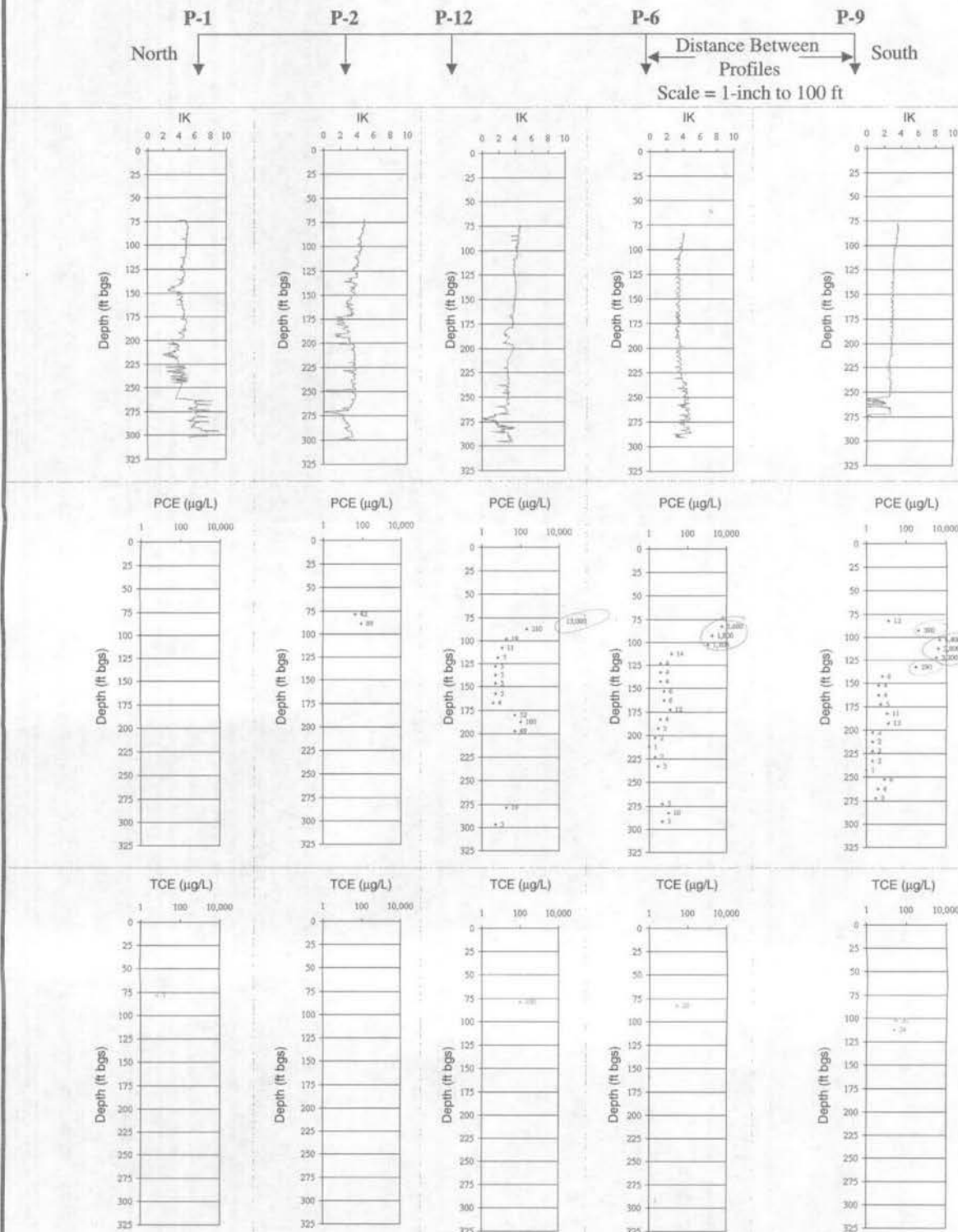
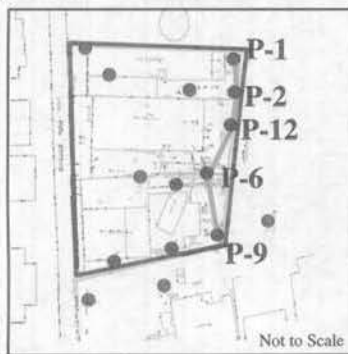
**MALCOLM
PIRNIE**

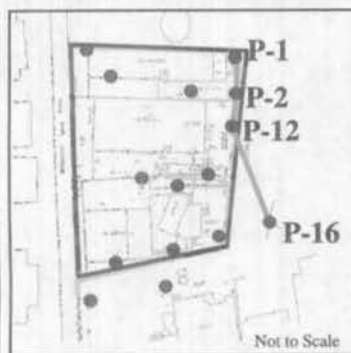
MALCOLM PIRNIE, INC.
FAIR LAWN, NJ

B-B' Profile Data TCE, PCE, and IK

GTEOSI
Former Sylvania Electric
Products Facility
Hicksville, NY

**Figure
4-3**

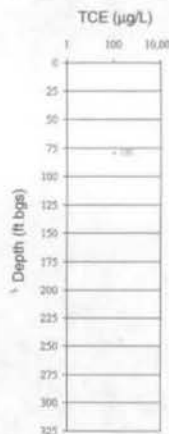
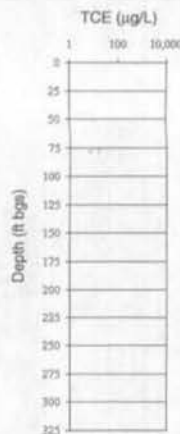
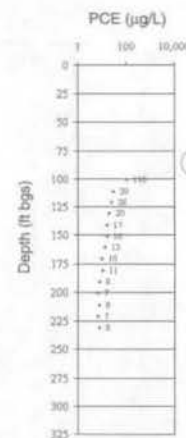
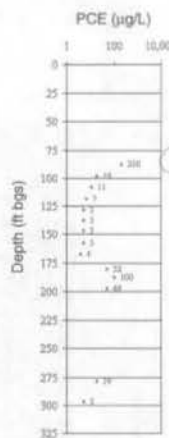
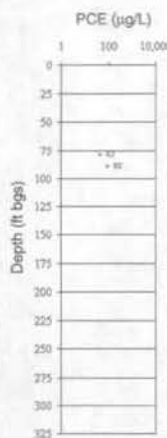
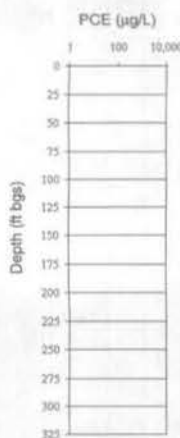
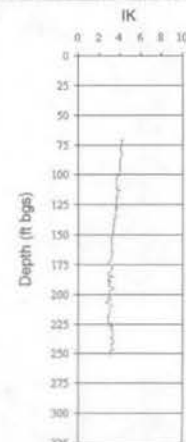
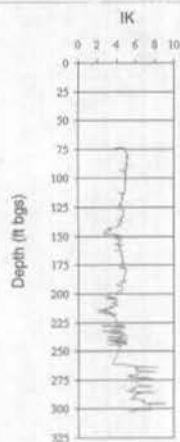




P-1 P-2 P-12 P-16

North South

Distance Between Profiles
Scale = 1-inch to 100 ft



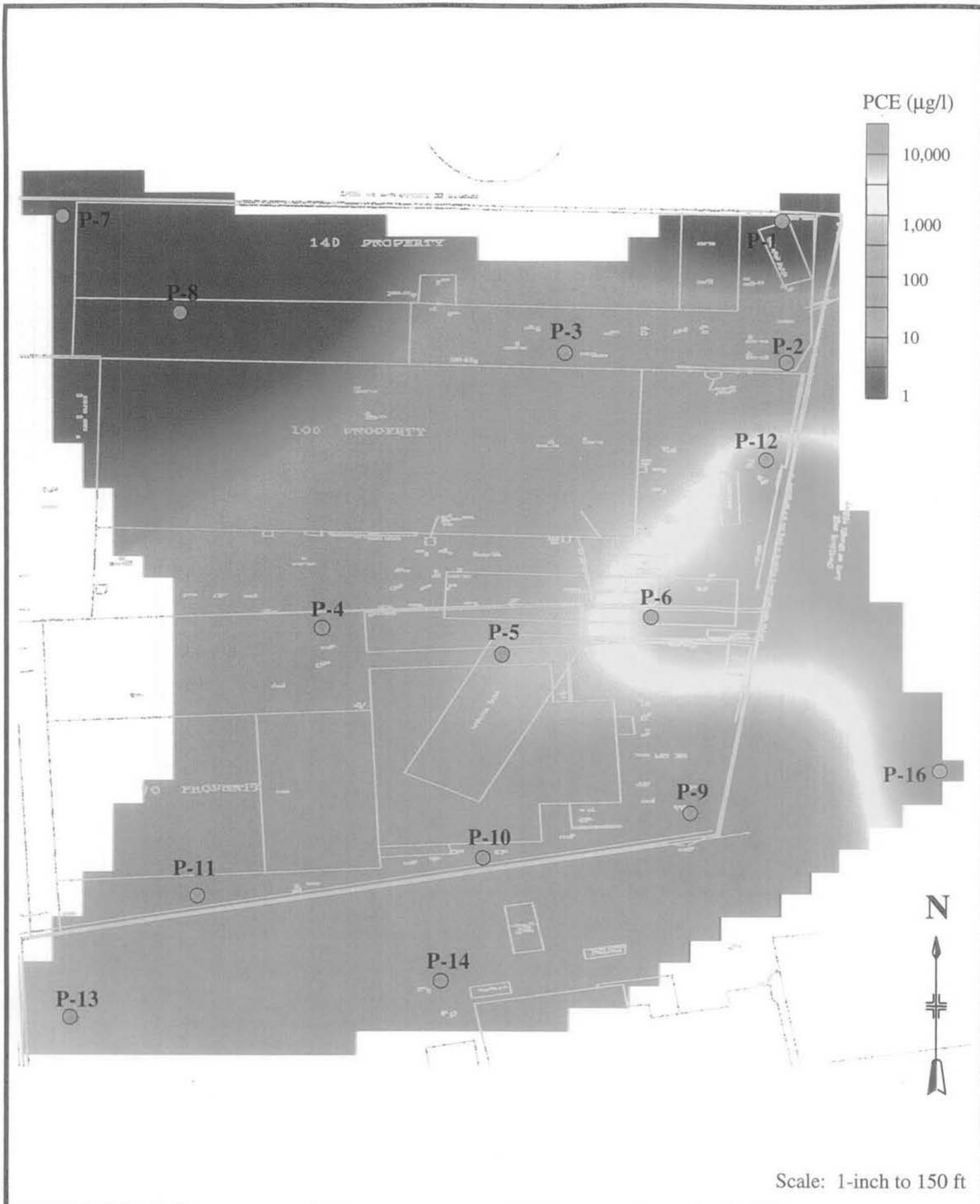
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D-D' Profile Data TCE, PCE, and IK

GTEOSI
Former Sylvania Electric
Products Facility
Hicksville, NY

Figure
4-5



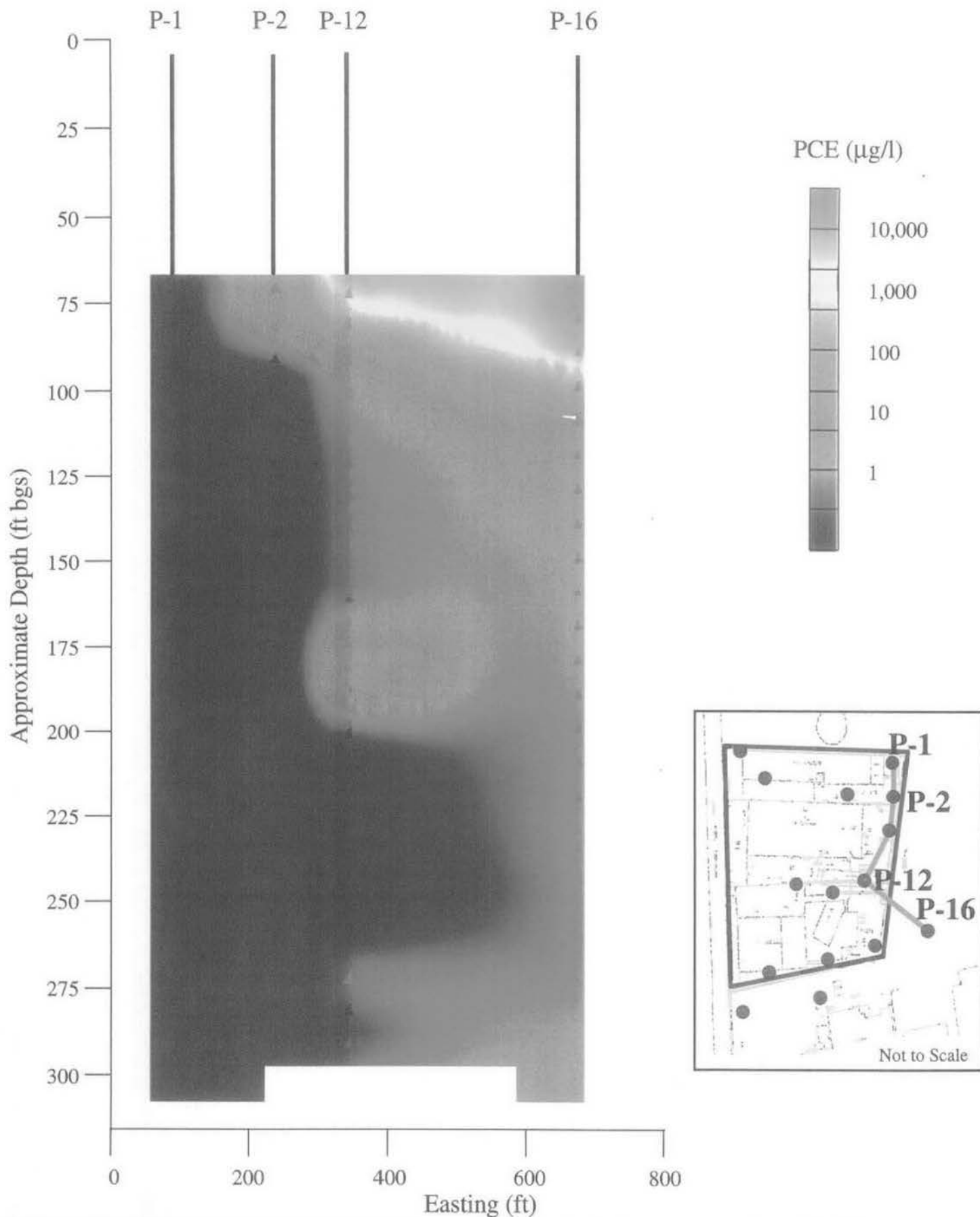
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PIRNIE**

MALCOLM PIRNIE, INC.
FAIR LAWN, NJ

**Plan View of PCE
Concentrations at the
Water Table**

GTEOSI
Former Sylvania Electric
Products Facility
Hicksville, NY

**Figure
4-6**



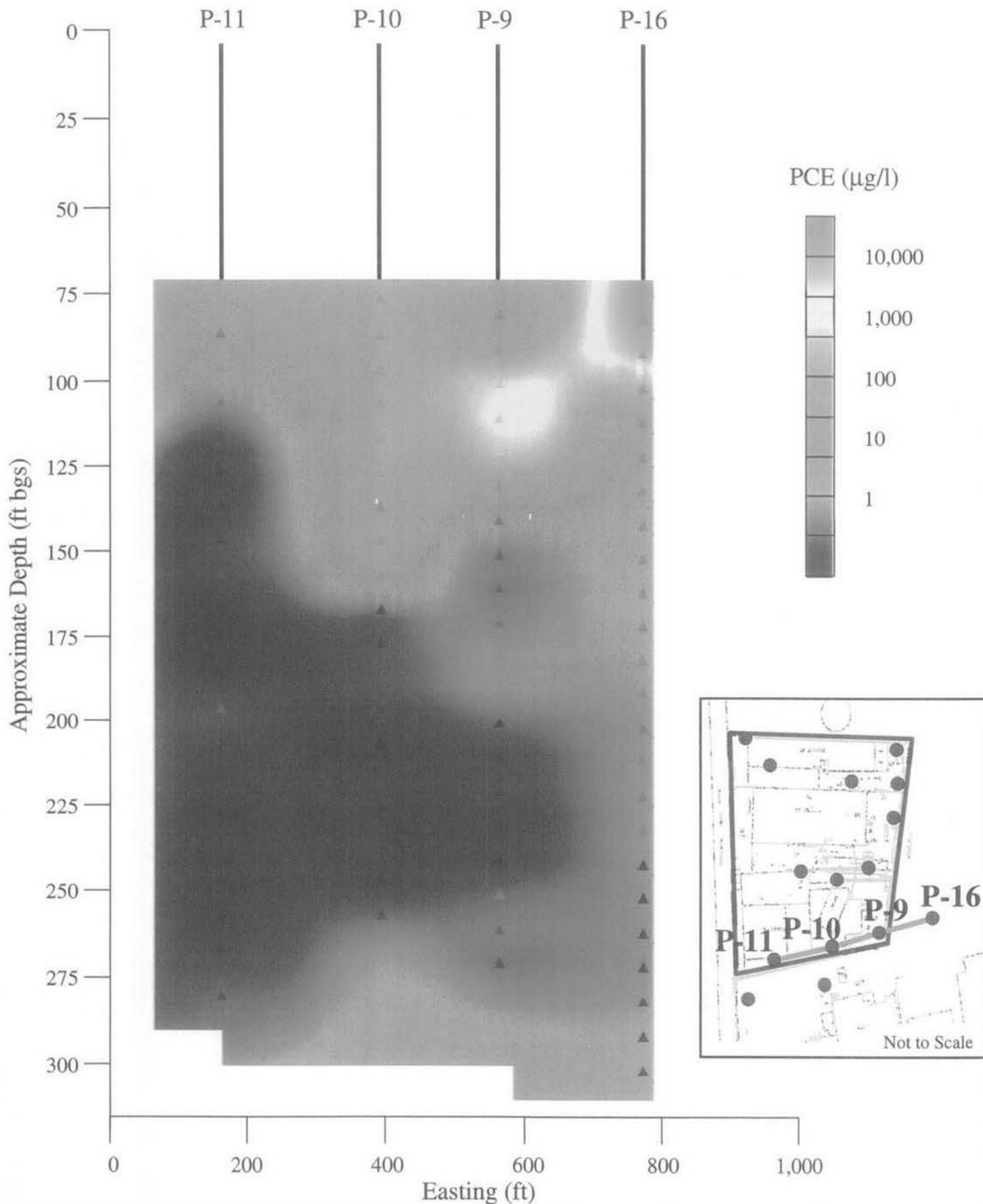
**MALCOLM
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FAIR LAWN, NJ

**PCE Plume Cross-Section
North to South**

GTEOSI
Former Sylvania Electric
Products Facility
Hicksville, NY

**Figure
4-7**



**MALCOLM
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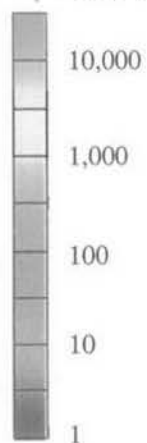
MALCOLM PIRNIE, INC.
FAIR LAWN, NJ

**PCE Plume Cross-Section
West to East**

GTEOSI
Former Sylvania Electric
Products Facility
Hicksville, NY

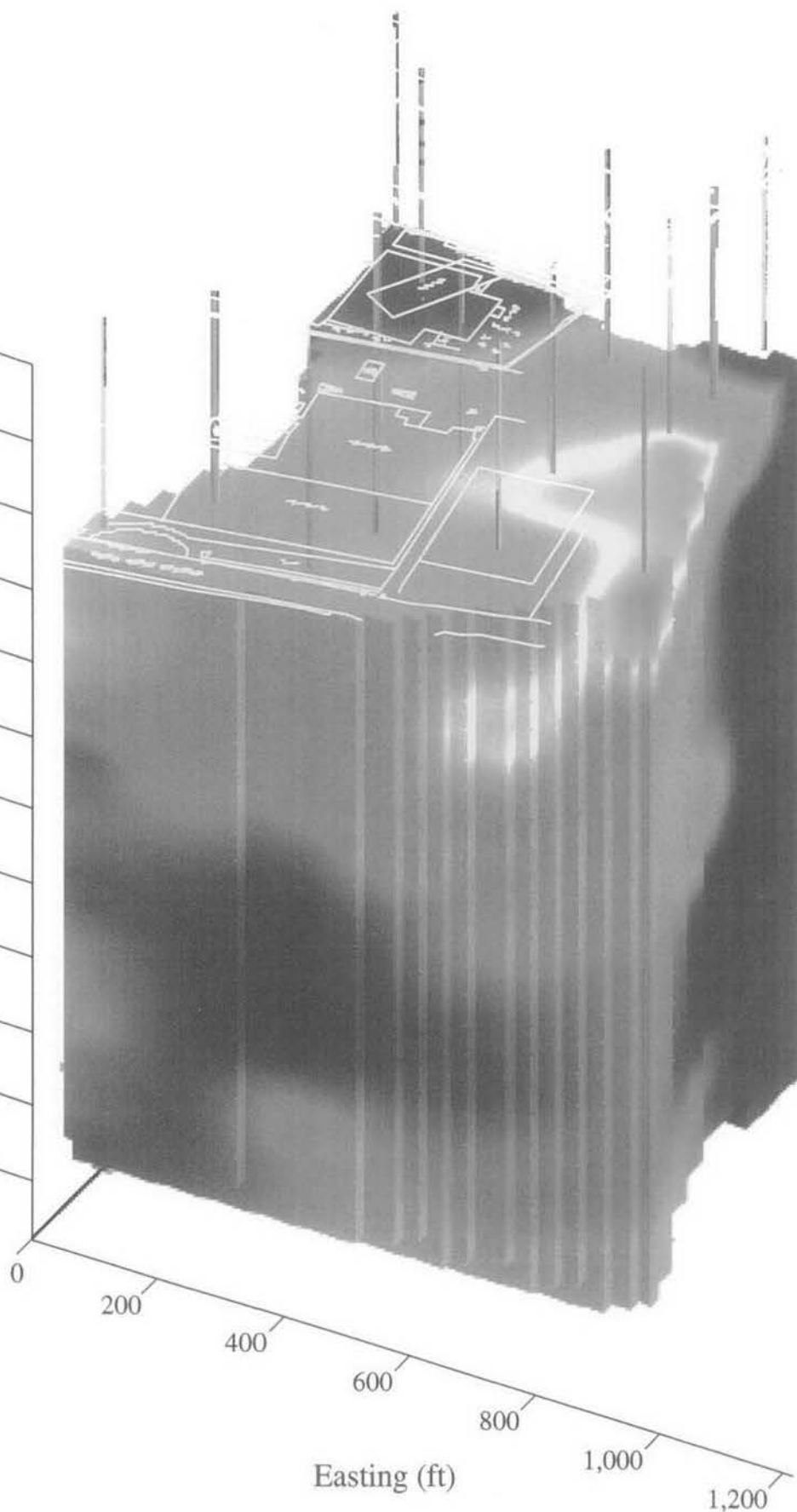
**Figure
4-8**

PCE ($\mu\text{g/l}$)



Approximate Depth (ft bgs)

0
25
50
75
100
125
150
175
200
225
250
275



Easting (ft)

0 200 400 600 800 1,000 1,200

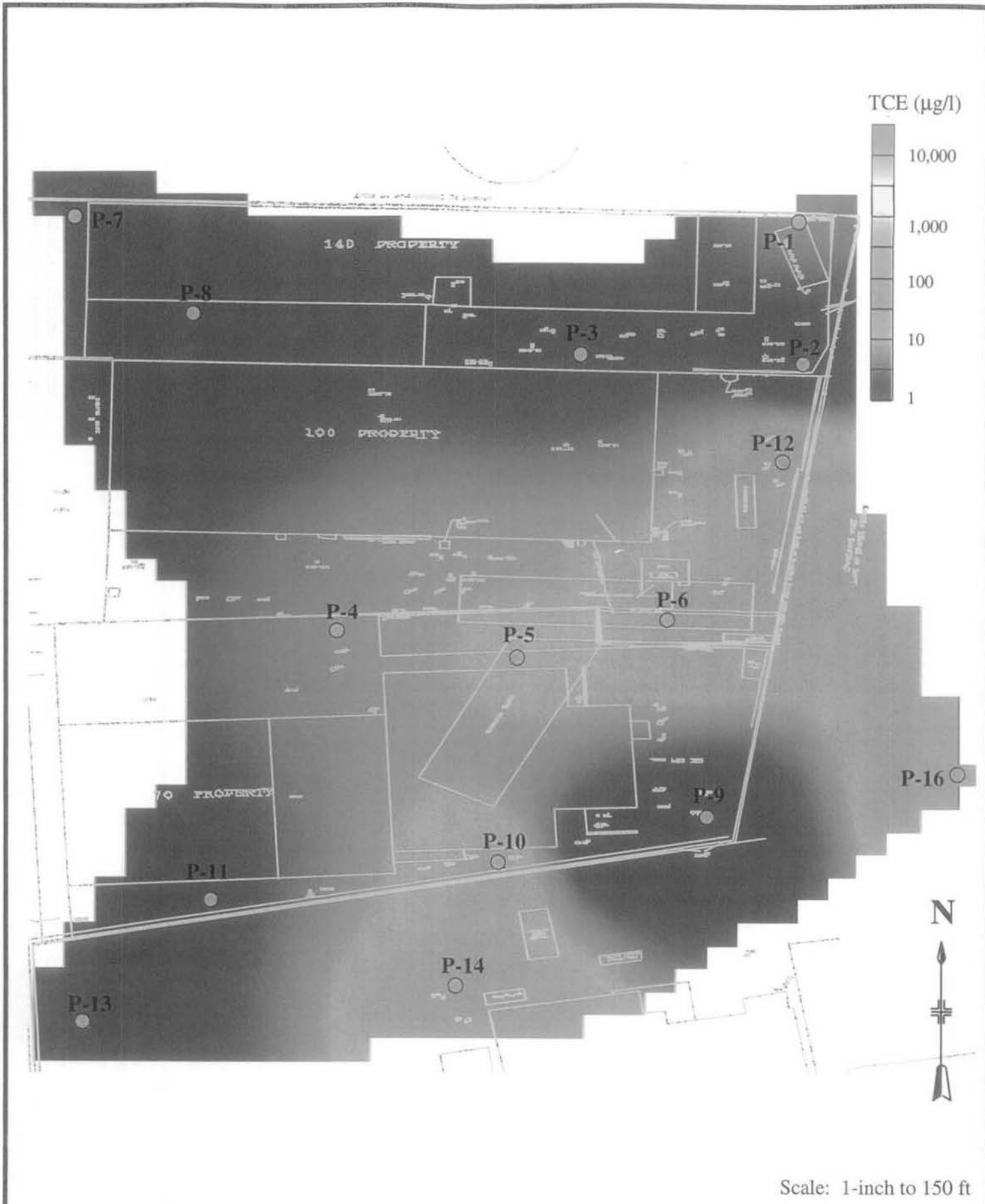
**MALCOLM
PIRNIE**

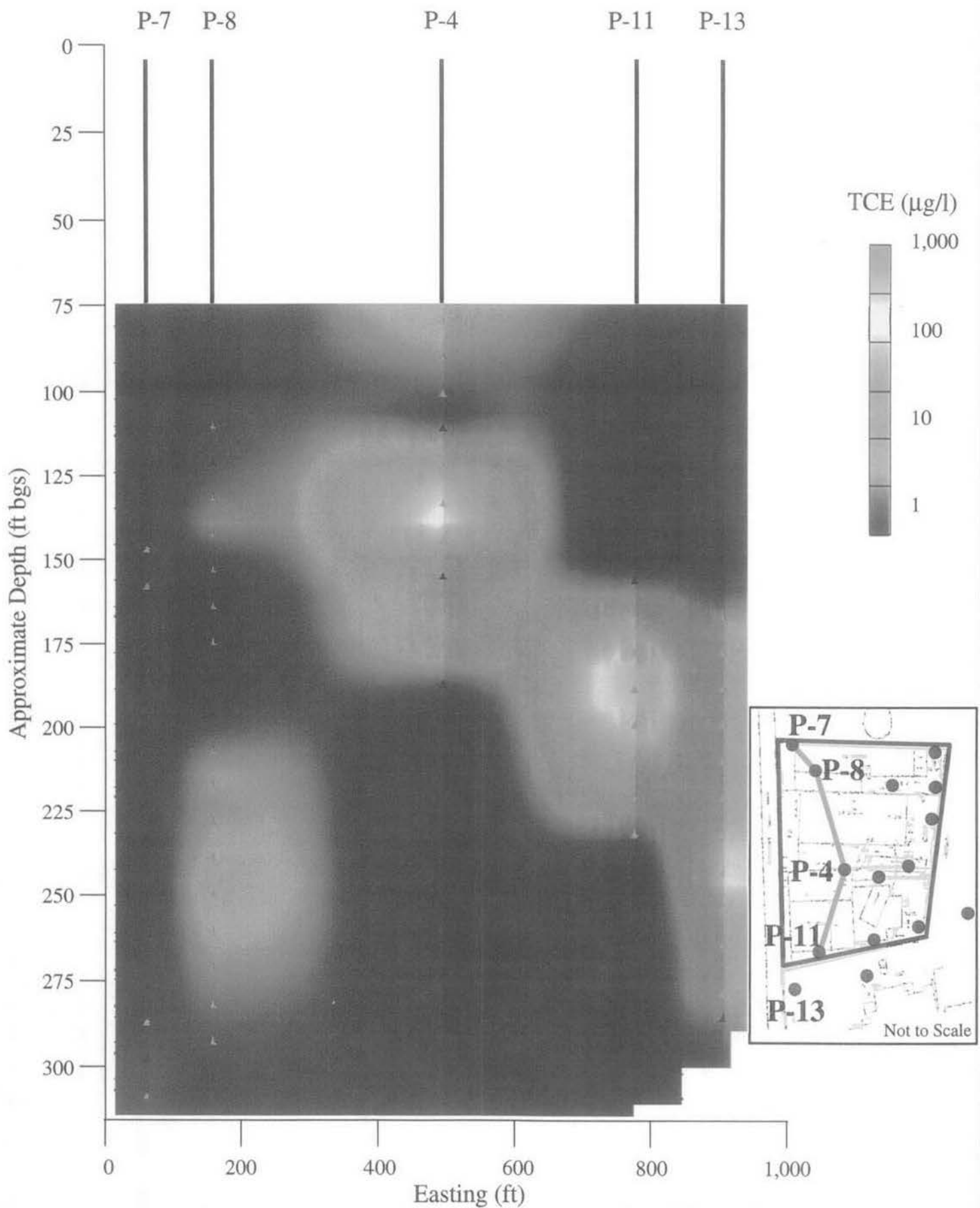
MALCOLM PIRNIE, INC.
FAIR LAWN, NJ

**3-D View of
Interpolated PCE
Concentrations**

GTEOSI
Former Sylvania Electric
Products Facility
Hicksville, NY

**Figure
4-9**





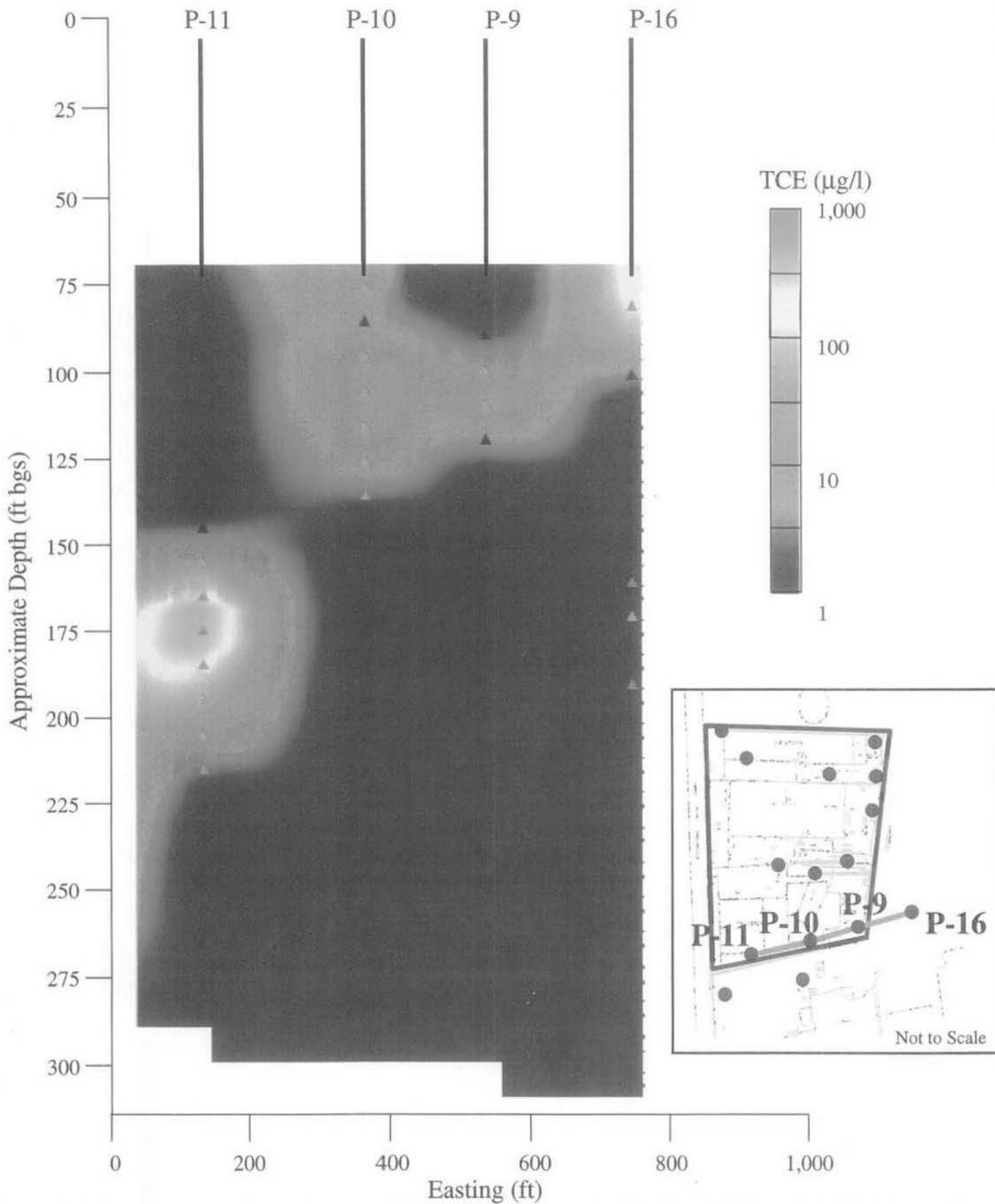
**MALCOLM
PIRNIE**

MALCOLM PIRNIE, INC.
FAIR LAWN, NJ

**TCE Plume Cross-Section
North to South**

GTEOSI
Former Sylvania Electric
Products Facility
Hicksville, NY

**Figure
4-11**



**MALCOLM
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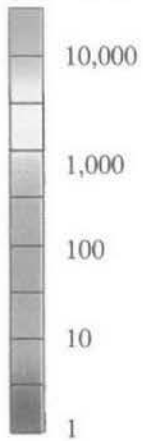
MALCOLM PIRNIE, INC.
FAIR LAWN, NJ

**TCE Plume Cross-Section
West to East**

GTEOSI
Former Sylvania Electric
Products Facility
Hicksville, NY

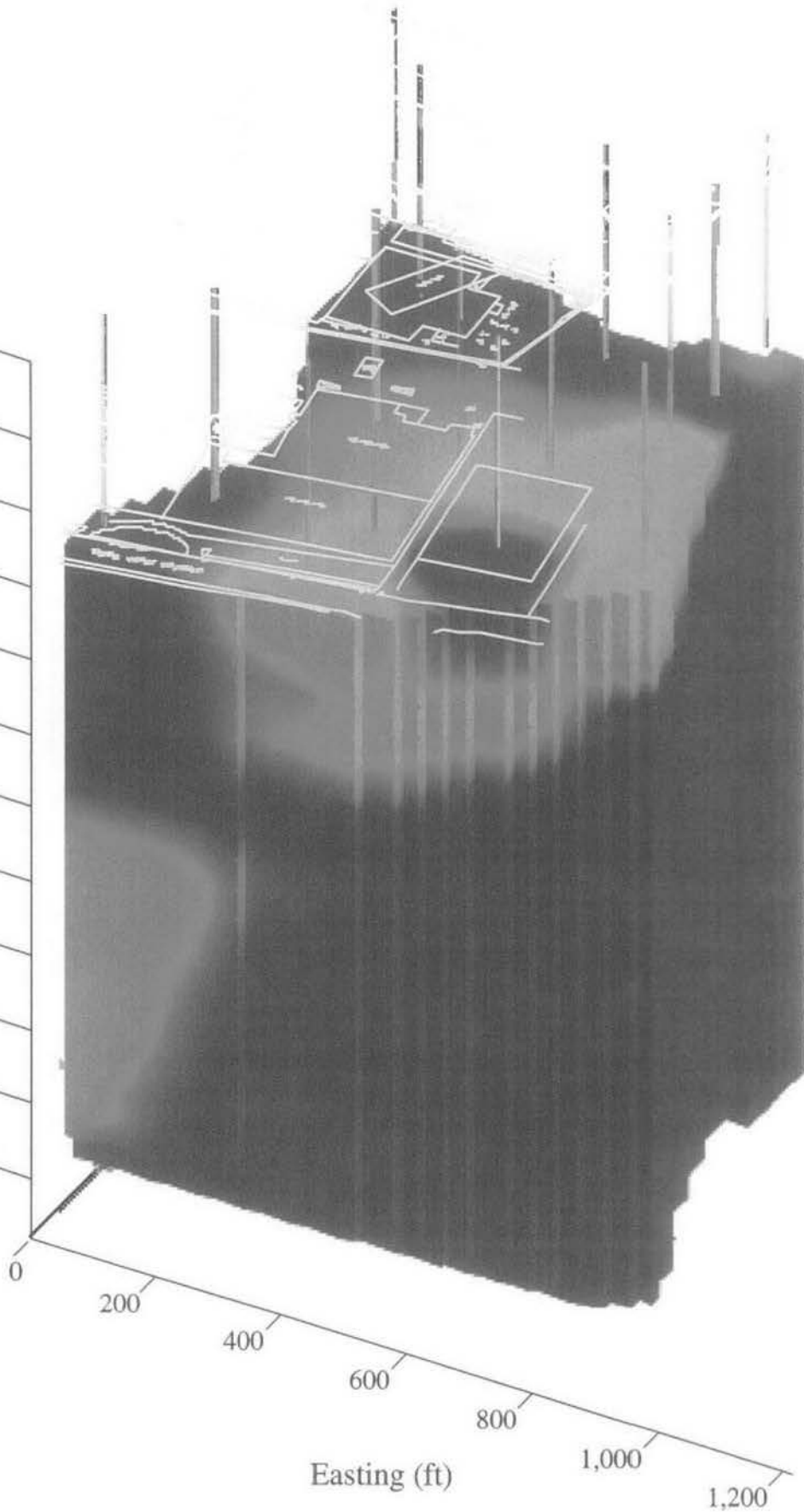
**Figure
4-12**

TCE ($\mu\text{g/l}$)



Approximate Depth (ft bgs)

0
25
50
75
100
125
150
175
200
225
250
275



Easting (ft)

**MALCOLM
PIRNIE**

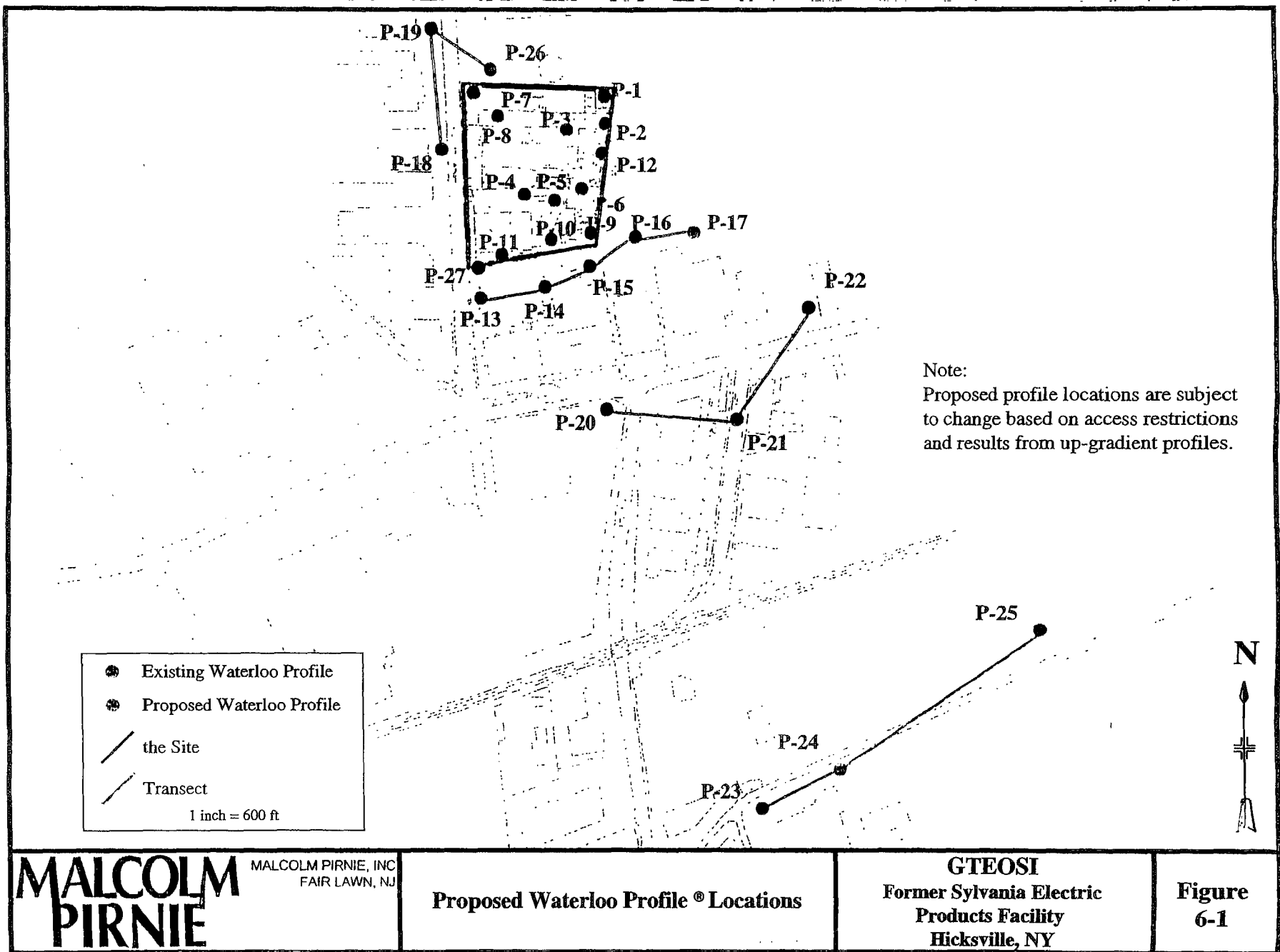
MALCOLM PIRNIE, INC.
FAIR LAWN, NJ

**3-D View of Interpolated
TCE Concentrations**

GTEOSI
Former Sylvania Electric
Products Facility
Hicksville, NY

**Figure
4-13**

SYL00108111

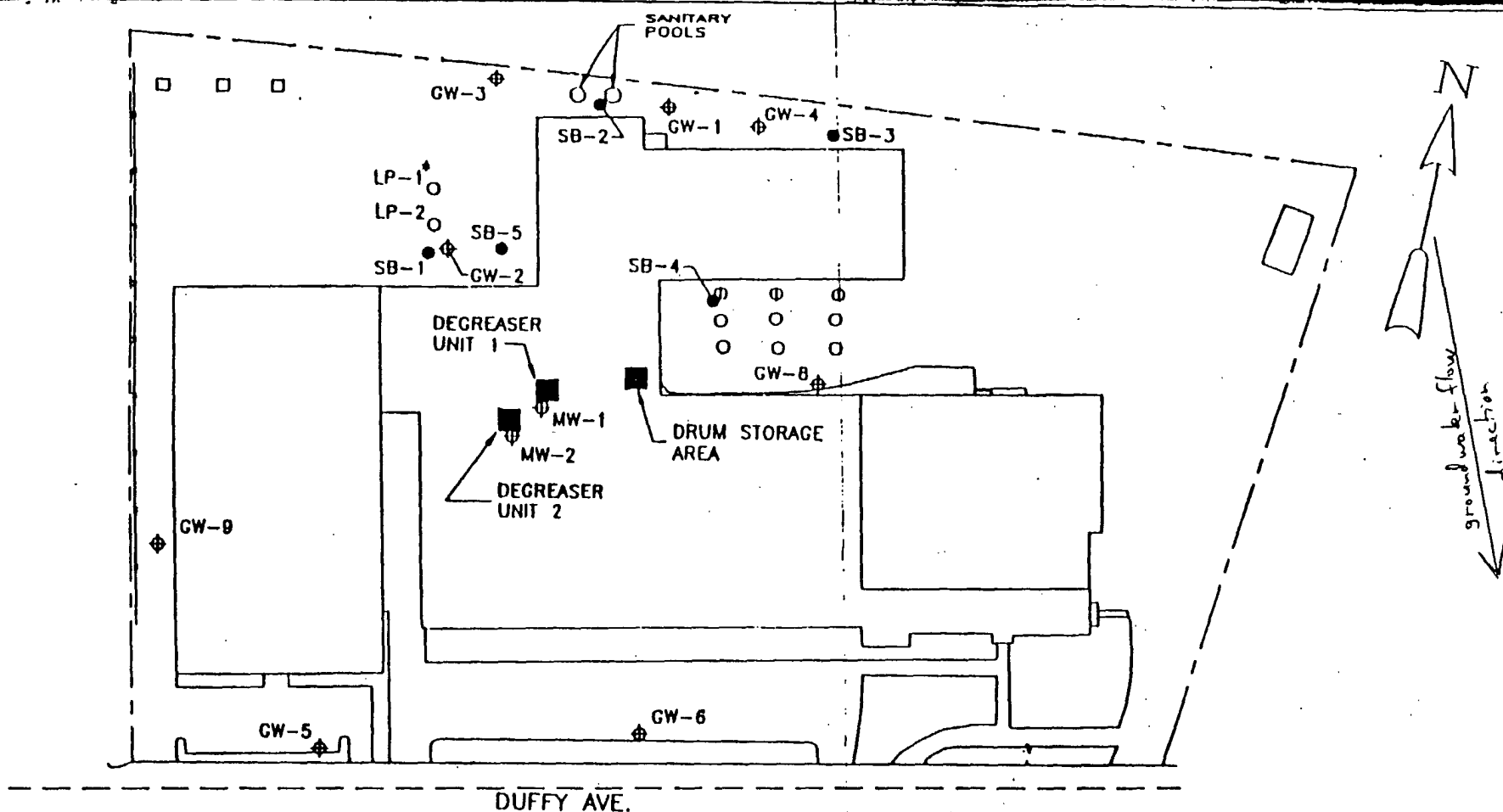


SITE INVESTIGATION
WORK PLAN
ALSY MANUFACTURING
SITE NO. 130027

Alsy

Prepared by:
Fred C. Hart Associates, Inc.
530 Fifth Avenue
New York, NY 10036

January 25, 1990



LEGEND

- SOIL BORING
- ⊕ MONITORING WELL
- DRY WELL (SOLID COVER)
- ⊖ DRY WELL (GRATE)
- STORM SEWER CATCH BASIN
- PROPERTY BOUNDARY

* ROUX DESIGNATION. LEACHPOOL IS DESIGNATED LP-3 BY HART.

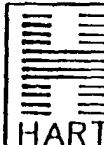
SCALE



FIGURE 2-7

ROUX ASSOCIATES, INC.
SOIL BORING AND MONITORING WELL
LOCATIONS

ALSY MANUFACTURING, OYSTER BAY, NY



FRED C. HART ASSOCIATES, INC.

HART

TABLE 2-15

ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES COLLECTED BY ROUX ASSOCIATES
(All results in micrograms per liter)

Volatile Organic Compounds (VOCs)	GM-1 (Cross gradient)								
	4/88	6/2/88	6/22/88	9/8/88	11/1/88	2/14/89	4/26/89	6/12/89	6/13/89 ¹
1,1,1 Trichloroethane	96.0	37.3	-	30.0	23.0	400.0	1400.0	2100.0	1700.0
Trichloroethene	9.0	6.8	-	-	-	10.0	6.0	-	-
Tetrachloroethene	500.0	228.0	50.3	230.0	145.0	270.0	600.0	810.0	480.0
1,1 Dichloroethene	-	-	-	-	-	3.0	6.0	-	-
1,1 Dichloroethane	4.0	-	-	2.0	-	22.0	55.0	35.0	31.0
Trans 1,2 Dichloroethene	-	-	-	-	-	-	-	-	-
1,2 Dichloroethene	-	-	-	-	-	-	-	-	-
Vinyl Chloride	-	-	-	-	-	-	-	-	-
Toluene	5.8	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-
1,2 Dichlorobenzene	-	-	-	-	-	-	-	-	-
Ethyl Benzene	-	-	-	-	-	-	-	-	-
o+p Xylene	-	-	-	-	-	-	-	-	-
RCRA Metals (Dissolved)									
Arsenic	-	-	-	-	-	-	-	-	-
Barium	110.0	40.0	160.0	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-
Lead	23.0	10.0	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	-

Note:

1 - Duplicate sample.
- - Not detected.

(1799n-44)

SYL00113496

TABLE 2-15

ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES COLLECTED BY ROUX ASSOCIATES

(All results in micrograms per liter)

(CONTINUED)

<u>Volatile Organic Compounds (VOCs)</u>	GH-2							
	<u>4/88</u>	<u>6/2/88</u>	<u>6/22/88</u>	<u>9/8/88</u>	<u>11/1/88</u>	<u>2/13/89</u>	<u>4/26/89</u>	<u>6/12/89</u>
1,1,1 Trichloroethane	900.0	264.0	312.0	200.0	150.0	51.0	64.0	120.0
Trichloroethene	5.0	-	0.6	-	-	-	-	-
Tetrachloroethene	2.0	-	-	-	-	9.0	-	1.0
1,1 Dichloroethene	5.0	-	-	-	-	-	-	-
1,1 Dichloroethane	2.0	-	1.4	2.0	2.0	4.0	4.0	-
Trans 1,2 Dichloroethene	-	-	-	-	-	-	-	-
1,2 Dichloroethene	-	-	-	-	-	-	-	-
Vinyl Chloride	-	-	-	-	-	-	-	-
Toluene	-	9.4	0.7	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-
1,2 Dichlorobenzene	-	-	-	-	-	-	-	-
Ethyl Benzene	-	-	-	-	-	-	-	-
o+p Xylene	-	-	-	-	-	-	-	-

RCRA Metals (Dissolved)

Arsenic	360.0	-	-
Barium	850.0	210.0	110.0
Cadmium	9.0	-	-
Chromium	200.0	-	-
Lead	140.0	-	-
Mercury	2.0	-	-
Selenium	-	-	6.0
Silver	-	-	-

Note:

1 - Duplicate sample.
 - - Not detected.

(1799n-45)

SYL00113497

TABLE 2-15

ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES COLLECTED BY ROUX ASSOCIATES
 (All results in micrograms per liter)
 (CONTINUED)

Volatile Organic Compounds (VOCs)	GW-3 (upgradient)								
	6/2/88	6/2/88 ¹	6/22/88	7/6/88	9/8/88	11/1/88	2/13/89	4/26/89	6/12/89
1,1,1 Trichloroethane	-	-	1.0	2.0	-	1.0	-	3.0	10.0
Trichloroethene	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	2.0	-	-
1,1 Dichloroethene	-	-	-	-	-	-	-	-	-
1,1 Dichloroethane	-	2.3	1.1	-	-	-	-	11.0	9.0
Trans 1,2 Dichloroethene	-	-	-	-	-	-	-	-	-
1,2 Dichloroethene	-	-	-	-	-	-	-	-	-
Vinyl Chloride	-	-	-	-	-	-	-	-	-
Toluene	11.9	1.2	-	-	-	-	4.0	-	-
Benzene	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-
1,2 Dichlorobenzene	-	-	-	-	-	-	-	-	-
Ethyl Benzene	-	-	-	-	-	-	-	-	-
o+p Xylene	-	-	-	-	-	-	-	-	-

RCRA Metals (Dissolved)

Arsenic	-	-
Barium	80.0	60.0
Cadmium	-	-
Chromium	-	-
Lead	-	-
Mercury	-	-
Selenium	-	-
Silver	-	-

Note:

1 - Duplicate sample.
 - - Not detected.

(1799n-46)

SYL00113498

TABLE 2-15

ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES COLLECTED BY ROUX ASSOCIATES
 (All results in micrograms per liter)
 (CONTINUED)

Volatile Organic Compounds (VOCs)	GW-4 (cross gradient)							
	6/2/88	6/22/88	7/6/88	9/8/88	11/1/88	2/13/89	4/26/89	6/12/89
1,1,1 Trichloroethane	18.0	14.3	28.0	5.0	7.0	23.0	47.0	350.0
Trichloroethene	3.0	3.7	4.0	-	-	-	-	-
Tetrachloroethene	203.0	297.0	300.0	37.0	49.0	82.0	84.0	350.0
1,1 Dichloroethene	-	-	-	-	-	-	-	-
1,1 Dichloroethane	-	-	-	-	-	-	-	-
Trans 1,2 Dichloroethene	-	-	-	-	-	-	-	-
1,2 Dichloroethene	-	-	-	-	-	-	-	-
Vinyl Chloride	-	-	-	-	-	-	-	-
Toluene	62.3	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	2.0	-	-
Methylene Chloride	-	-	-	-	-	-	-	-
1,2 Dichlorobenzene	-	-	-	-	-	-	-	-
Ethyl Benzene	-	-	-	-	-	-	-	-
o+p Xylene	-	-	-	-	-	-	-	-
<u>RCRA Metals (Dissolved)</u>								
Arsenic	-	-	-	-	-	-	-	-
Barium	40.0	40.0	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-

Note:

1 - Duplicate sample.
 - - Not detected.

(1799n-47)

SYL00113499

TABLE 2-15

ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES COLLECTED BY ROUX ASSOCIATES
(All results in micrograms per liter)
(CONTINUED)

Volatile Organic Compounds (VOCs)	GH-5 (cross gradient)							
	6/2/80	6/22/80	7/6/80	9/8/80	11/2/80	2/13/89	4/26/89	6/13/89
1,1,1 Trichloroethane	1070.0	1070.0	1100.0	2300.0	1700.0	2100.0	850.0	420.0
Trichloroethene	54.7	79.0	74.0	59.0	17.0	7.0	5.0	14.0
Tetrachloroethene	-	-	2.0	2.0	5.0	-	1.0	-
1,1 Dichloroethene	26.7	23.0	26.0	40.0	19.0	24.0	15.0	13.0
1,1 Dichloroethane	3.9	-	5.0	5.0	-	-	4.0	3.0
Trans 1,2 Dichloroethene	-	-	-	-	-	-	-	-
1,2 Dichloroethene	-	-	3.0	2.0	-	-	-	-
Vinyl Chloride	-	-	-	-	-	-	-	-
Toluene	14.1	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	10.0	-	-	-
1,2 Dichlorobenzene	-	-	-	-	-	-	-	-
Ethyl Benzene	-	-	-	-	-	-	-	-
o+p Xylene	-	-	-	-	-	-	-	-

RCRA Metals (Dissolved)

Arsenic	-	-
Barium	70.0	70.0
Cadmium	-	-
Chromium	-	-
Lead	-	-
Mercury	-	-
Selenium	-	-
Silver	-	-

Note:

- 1 - Duplicate sample.
- - Not detected.

(1799n-48)

SYL00113500

TABLE 2-15

ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES COLLECTED BY ROUX ASSOCIATES
(All results in micrograms per liter)
(CONTINUED)

Volatile Organic Compounds (VOCs)	GW-6 (downgradient)								
	6/2/88	6/22/88	7/6/88	9/8/88	11/2/88	2/13/89	4/26/89	4/25/89	6/13/89
1,1,1 Trichloroethane	2610.0	2550.0	3200.0	2200.0	3800.0	6000.0	6400.0	4000.0	4000.0
Trichloroethene	118.0	214.0	110.0	99.0	43.0	15.0	38.0	38.0	12.0
Tetrachloroethene	286.0	599.0	180.0	170.0	210.0	210.0	300.0	310.0	240.0
1,1 Dichloroethene	58.1	74.8	46.0	37.0	30.0	37.0	95.0	93.0	46.0
1,1 Dichloroethane	1.0	4.0	4.0	2.0	-	-	-	-	-
Trans 1,2 Dichloroethene	4.3	-	-	-	-	-	-	-	-
1,2 Dichloroethene	-	-	3.0	2.0	-	-	-	-	-
Vinyl Chloride	-	1.8	-	-	-	-	-	-	-
Toluene	1.3	1.1	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	-	-	-	-
1,2 Dichlorobenzene	-	-	-	-	-	-	-	-	-
Ethyl Benzene	-	-	-	-	-	-	-	-	-
o+p Xylene	-	-	-	-	-	-	-	-	-

RCRA Metals (Dissolved)

Arsenic	-	-
Barium	40.0	20.0
Cadmium	-	-
Chromium	-	-
Lead	-	-
Mercury	-	-
Selenium	-	-
Silver	-	-

Note:

- 1 - Duplicate sample.
- - Not detected.

(1799n-49)

SYL00113501

TABLE 2-15

ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES COLLECTED BY ROUX ASSOCIATES
(All results in micrograms per liter)
(CONTINUED)

Volatile Organic Compounds (VOCs)	MH-1				MH-2			
	11/20/88	2/14/89	4/26/89	6/13/89	11/20/88	2/14/89	4/26/89	6/14/89
1,1,1 Trichloroethane	5900.0	1200.0	870.0	110.0	10000.0	2600.0	2500.0	440.0
Trichloroethene	44.0	-	5.0	13.0	34.0	-	14.0	-
Tetrachloroethene	71.0	44.0	290.0	23.0	56.0	42.0	42.0	13.0
1,1 Dichloroethene	71.0	-	3.0	17.0	40.0	-	19.0	-
1,1 Dichloroethane	220.0	-	5.0	6.0	84.0	-	5.0	-
Trans 1,2 Dichloroethene	-	-	-	-	-	-	-	-
1,2 Dichloroethene	-	-	-	3.0	40.0	-	3.0	-
Vinyl Chloride	-	-	-	-	-	-	-	-
Toluene	9.0	-	-	-	330.0	-	-	-
Benzene	3.0	-	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	340.0	-	-	-
1,2 Dichlorobenzene	-	-	-	-	-	-	-	-
Ethyl Benzene	-	-	-	-	-	-	-	-
o+p Xylene	-	-	-	-	-	-	-	-

RCRA Metals (Dissolved)

Arsenic
Barium
Cadmium
Chromium
Lead
Mercury
Selenium
Silver

Note:

1 - Duplicate sample.
- - Not detected.

(1799n-51)

SYL00113502

io
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL REPORT

CLASSIFICATION CODE: 2 REGION: 1 SITE CODE: 130027
EPA ID:
NAME OF SITE : Alsy Manufacturing, Inc.
STREET ADDRESS: 270 Duffy Ave .
TOWN/CITY: COUNTY: ZIP:
Hicksville Nassau 11801

SITE TYPE: Open Dump- Structure-X Lagoon- Landfill- Treatment Pond-
ESTIMATED SIZE: 4 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER NAME.....: Surrey Corporation
CURRENT OWNER ADDRESS.: Underhill Blvd., P.O. Box 830, Syosset, NY
OWNER(S) DURING USE....: Balatem Corp.
OPERATOR DURING USE....: Alsy Manufacturing
OPERATOR ADDRESS.....: 270 Duffy Avenue, Hicksville, NY
PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From 7/1/77 To 8/1/84

SITE DESCRIPTION:

Presence of hazardous waste has been documented and a threat to the environment is based on exceedance of groundwater standards in the monitoring wells. The site is an active industrial plating operation including antiquing, bronze plating, and electroplating. The waste-water contains cyanide, copper and zinc. Waste paint thinners and strippers are generated in the cleaning of the painting equipment. 1,1,1 trichloroethane is generated by the vapor degreaser. These waste are hazardous wastes as defined in 6NYCRR part 371 (F001, F009). During 1977 to 1983, SPDES violations by Alsy were reported. In 1984, DEC collected samples in a leachpool and found Arsenic, Copper Lead, Nickel, Zinc, Cyanide, Selenium, Silver, Chromium, 1,1 Dichloroethane, 1,1,1, Trichloroethane (42,000 ppb), Toluene (6600 ppb), and Ethylbenzene. In 1988-89 groundwater samples collected by Roux Assoc. were again found to contain 1,1,1 trichloroethane (4000 ppb in 1989). Based on the review of available data including Roux Associate's investigation of this site, DEC has determined that the on site sanitary pools have contributed to groundwater contamination. The Part 703 groundwater standards have been contravened at this site for 1,1,1 trichloroethane. The groundwater is part of the Long Island aquifer and is classified as a sole source drinking water aquifer.

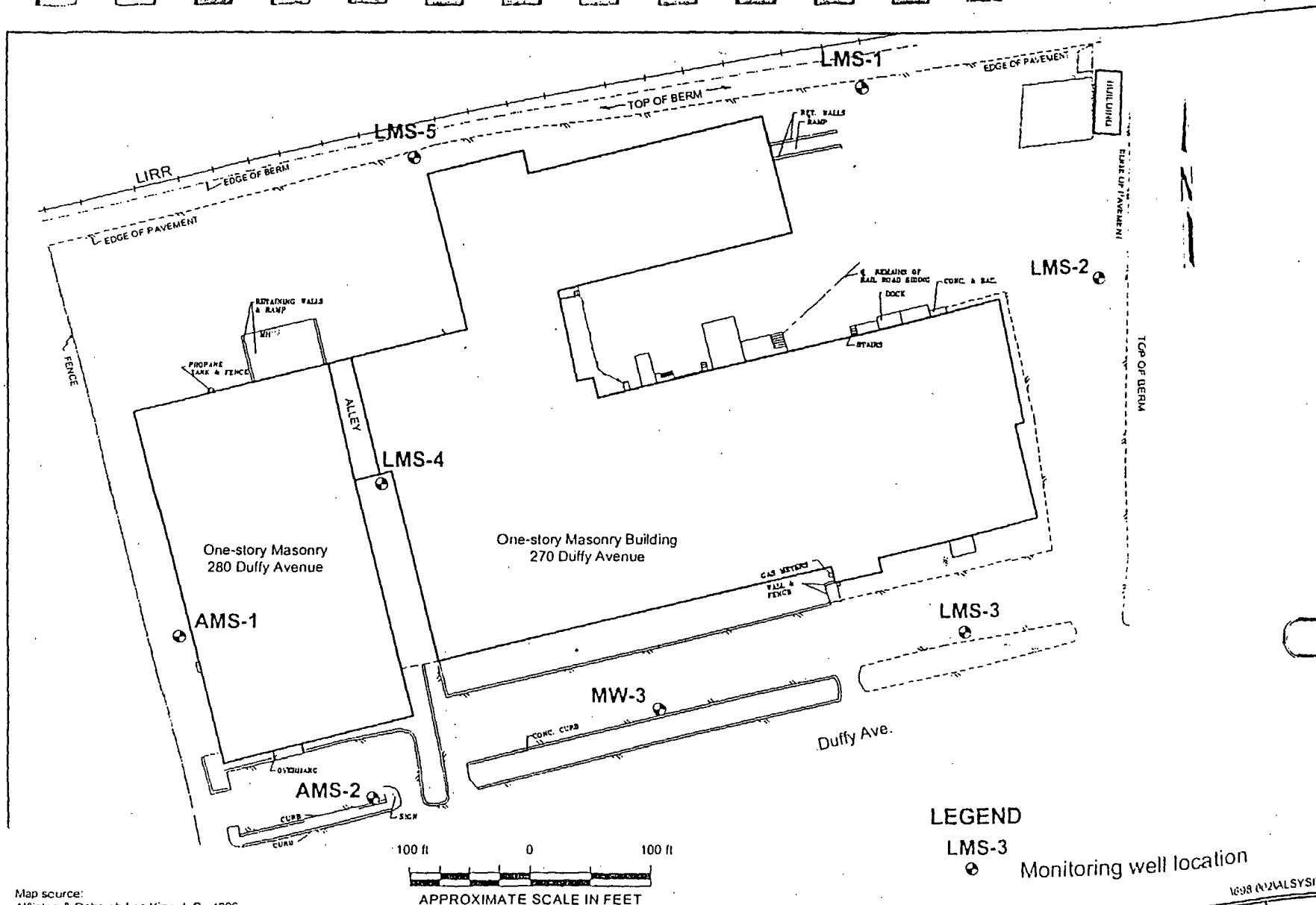
HAZARDOUS WASTE DISPOSED: Confirmed-X
 TYPE

Suspected-
QUANTITY (units)

Methylene chloride
1,1,1 trichloroethane, toluene, xylene,
ethyl benzene, 1,2 dichloropropane
aluminum, arsenic, copper, cadmium, chromium,
lead 1,1 dichloro ethene & ethane, zinc,
cyanide, nickel

Unknown

SYL00113503



LEGEND

LMS-3



Monitoring well location

1638 02VALSYSIT2.dwg

SYL00113504

Map source:
Affiliates & Deborah Lee King, L.S., 1996.

LMS Lawler, Matusky & Skelly Engineers LLP
One Blue Hill Plaza • Pearl River, New York 10965

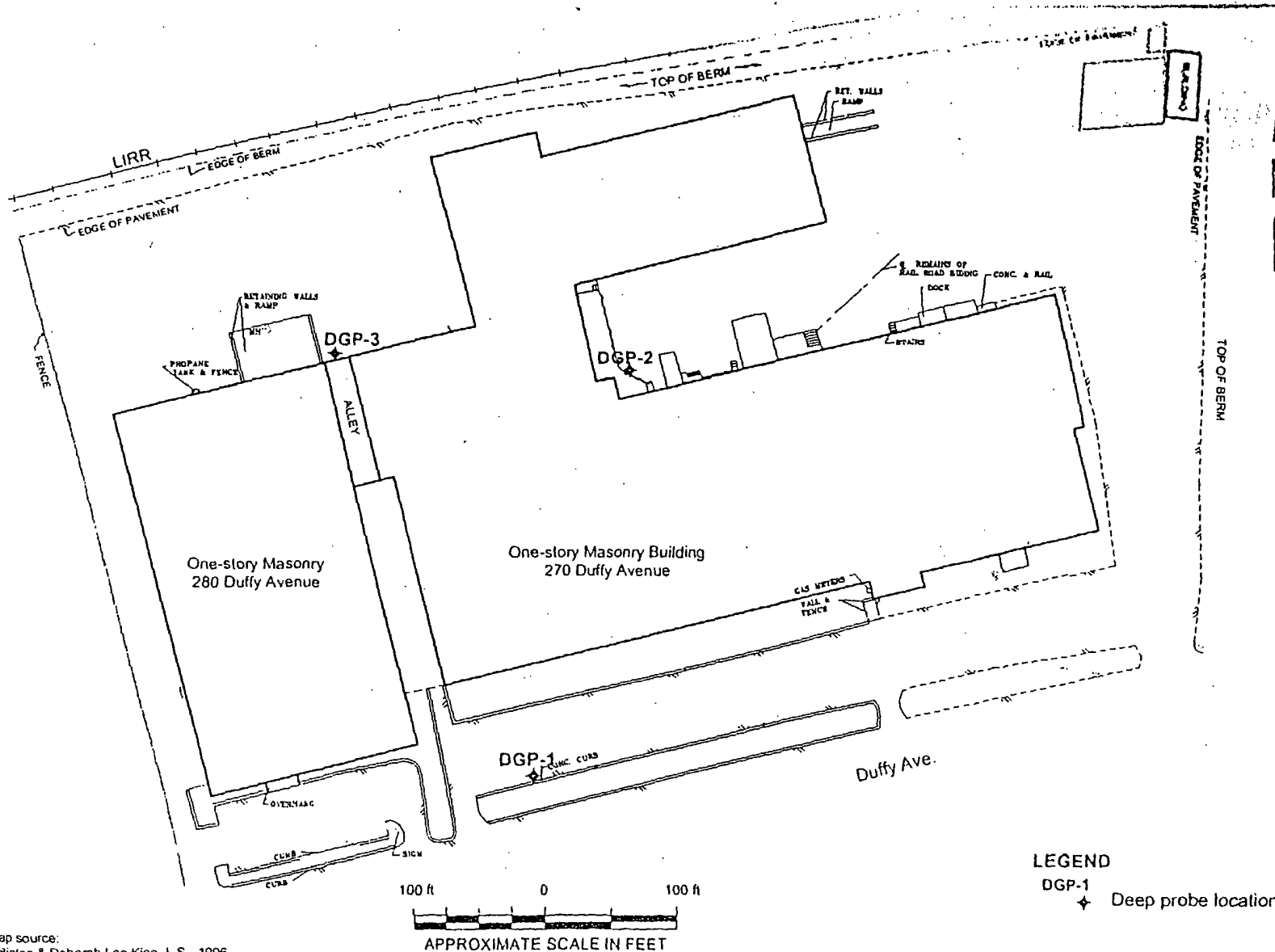
ENVIRONMENTAL SCIENCE & ENGINEERING CONSULTANTS

Monitoring Well Locations

Alsy Manufacturing • Oyster Bay, New York

Figure
3-11

SYL00113505



LMS Lawler, Matusky & Skelly Engineers LLP
 One Blue Hill Plaza • Pearl River, New York 10965
 ENVIRONMENTAL SCIENCE & ENGINEERING CONSULTANTS

Deep Probe Locations
 Alsly Manufacturing • Oyster Bay, New York

Figure
 3-10

1698-002VALSYSIT2 ds4



ALSY MANUFACTURING SITE NYSDEC SITE NO. 1-30-027 REMEDIATION INVESTIGATION/FEASIBILITY STUDY FACT SHEET

No. 1

April 1996

This is the first in a series of fact sheets describing the remedial investigation/feasibility study (RI/FS) being conducted at the Alsy Manufacturing Site (the Site) at 270 and 280 Duffy Avenue in Hicksville, New York (Figure 1). This initial fact sheet is intended to provide an overview of the site's environmental history and the regulatory and technical approach being employed in the investigation.

Background

From 1975 until 31 March 1991 Alsy Manufacturing, Inc. (Alsy), operated at the Site, producing and selling electric lamps and lamp shades. Alsy's manufacturing processes included antiquing and brass plating. Until 1985 the Site was owned by Balatam Corporation. In 1985, Surrey Corporation purchased the Site and assumed Balatam Corporation's lease with Alsy. (In 1991 Alsy ceased its operations at the Site.)

According to records reviewed, the wastes generated and stored at the Site during Alsy's operations include: wastewater treatment sludge containing cyanide, copper, and zinc; paint strippers and thinners generated in the cleaning of painting equipment; and 1,1,1-trichloroethane from vapor degreasers. These wastes were removed by a licensed industrial waste disposal service for off-site disposal. A State Pollutant Discharge Elimination System (SPDES) permit was issued to Alsy in 1977 for two on-site discharge points. The permit authorized discharge of sanitary wastes from one discharge point and industrial wastewaters containing copper, nickel, zinc, total nitrogen, cyanide, and chlorine within specified concentrations from the other discharge point.

Between 1977 and 1983 the Nassau County Department of Health (NCDOH) and the New York State Department of Environmental Conservation (NYSDEC) conducted investigations at the Site in response to alleged SPDES permit violations. Samples gathered during these inspections indicated concentrations of permitted metals in excess of allowable levels and the presence of methylene chloride, chloroform, 1,1,1-trichloroethane.

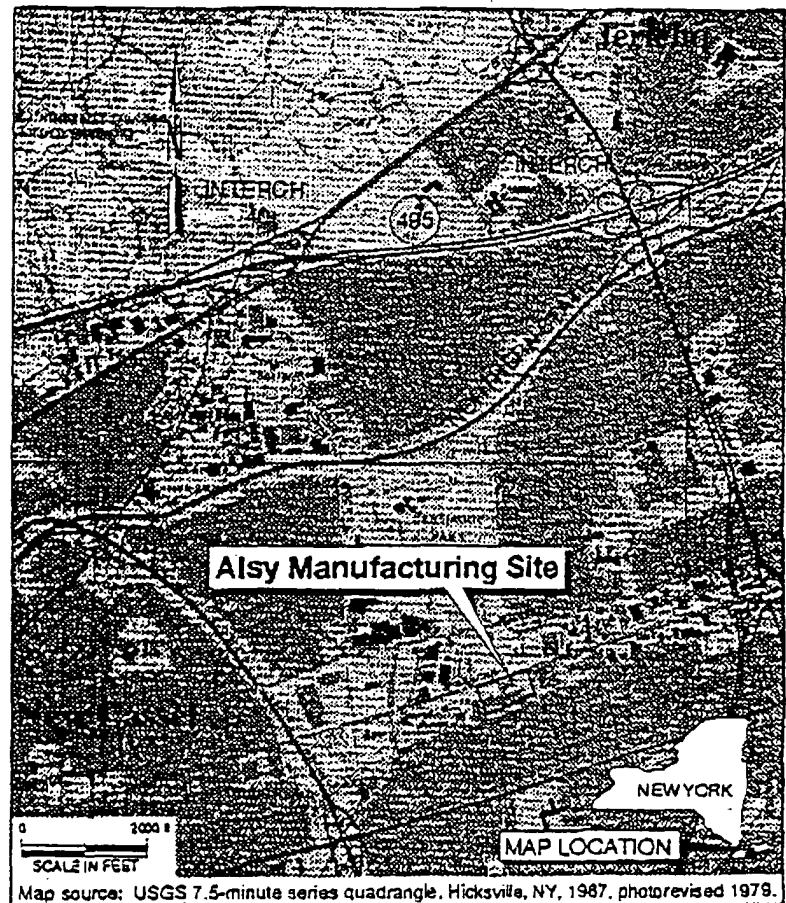


Figure 1

toluene, xylene, and trichloroethylene. In addition, the results of self-monitoring conducted by Alsy in 1977-78 and 1980-81 showed concentrations of copper, cyanide, nickel, total nitrogen, and zinc in excess of permit levels.

In February 1984 a joint inspection by NCDOH and NYSDEC identified four apparently unpermitted discharge points, as well as three industrial leachpools and two trenches, behind the buildings (see map on page 3). Subsequent to the February 1984 inspection, between August 1984 and April 1988 soil and groundwater samples were collected by NYSDEC, NCDOH, the U. S. Environmental Protection Agency (EPA), and consultants employed by both Balatrem Corporation and Alsy. The investigations confirmed the existence of five additional leachpools and three drywell catch basins. Sampling in these areas indicated heavy metal and volatile organic compound (VOC) contamination consistent with previous investigations.

In 1986 Alsy entered into a consent order (legal agreement) with NYSDEC in settlement of alleged permit violations. In 1987 NYSDEC commissioned EA Science and Technology (EA) to conduct a Phase I site assessment and in June 1987 a Phase I report was issued. Based on the Phase I report, NYSDEC classified the Site as Class 2 on the New York State Registry of Inactive Hazardous Waste Disposal Sites, an intermediate classification signifying that hazardous waste disposal is believed to have taken place but further investigation is required to confirm whether the conditions present a significant threat to public health or the environment.

In 1989 Surrey Corporation entered into a consent order with NYSDEC pursuant to which it was to conduct Phase II investigation of the Site. Surrey Corporation retained Fred C. Hart Associates, Inc. (Hart), to conduct the investigation and in 1990 Hart prepared a work plan, which was submitted to NYSDEC for approval. Before implementation of the Phase II investigation, NYSDEC reevaluated the data assembled for the Site. The results of groundwater samples taken from the Site show the presence of heavy metals and VOCs at levels that exceed New York State drinking water standards. The residents in the area are supplied with water from the Westbury, Hicksville Bowling Green (Town of Hempstead), Jericho, and Levittown water supplies. The supply wells used by the water districts are routinely tested to ensure the water provided to the residents meets New York State drinking water standards. Based on the data, NYSDEC determined that the Site should be classified as Class 2, signifying that the Site posed a significant but not immediate threat to human health and/or the environment. This reclassification meant that, instead of a Phase II investigation, it would be necessary to conduct a more comprehensive, long-term study known as a remedial investigation/feasibility study (RI/FS) of the Site. On 28 March 1995 Surrey Company, the current owner, and Surrey Corporation, the former owner, entered into a new consent order with NYSDEC and retained the consulting firm of Lawler, Matusky & Skelly Engineers LLP (LMS) to perform the RI/FS.

The objectives of the first part of this study, the RI, are to (1) characterize conditions within the site and at its borders with regard to subsurface geological conditions that affect groundwater contamination, (2) identify and catalog any existing contaminant plumes, (3) locate areas on-site where contaminated soils still have the potential for contributing to the existing groundwater contamination, and (4) compare results with historical sampling data.

An FS will then be conducted. Its objectives will be to address contamination found, if any, in site media (groundwater, soil, etc.) during the RI, to investigate remedial technologies that can be applied to contaminated site media and to recommend one of these technologies for implementation.

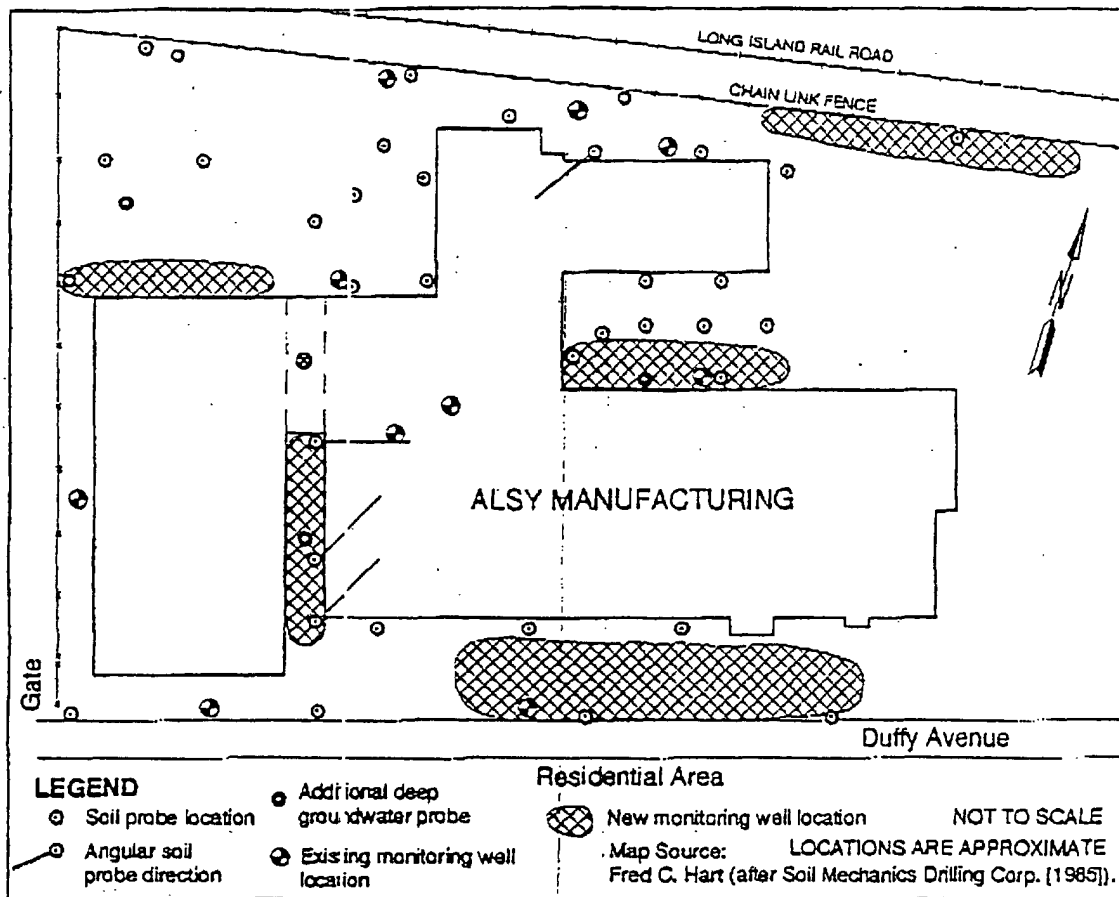


Figure 2

Description and Current Status of the RI/FS

In 1996 LMS prepared RI work plan documents, including:

- A field sampling plan (FSP)
- A health and safety plan (HASP)
- A quality assurance project plan (QAPjP)
- A citizen participation plan (CPP)

The RI/FS work plan documents were approved by NYSDEC in March 1996.

The FSP is a detailed document that describes the procedures used to collect the samples, the number of samples, the analyses to be performed, and the location of the samples. The HASP describes steps to be taken during the investigation, primarily to protect workers during the investigation activities. The QAPjP outlines the specific analytical procedures and also includes the field sampling protocol. The CPP outlines various procedures and activities for keeping the public informed of, and receiving their input regarding, the investigation's progress and findings.

The RI sampling activities will consist of two tasks (Figure 2). The first sampling task will include the installation of 39 soil and groundwater probe points throughout the Site to determine background levels of contamination and the location of any on-site disposal areas. Selected soil, soil gas, and water samples will be collected from the probes and analyzed for VOCs, metals, and cyanide. Most of the VOC samples will be analyzed using an on-site mobile laboratory, with selected samples analyzed by an off-site laboratory for confirmatory purposes. To determine whether the soil is hazardous, 20 soil samples will also be analyzed for toxicity characteristic leaching procedure (TCLP) metals (a procedure used to determine toxicity). The second sampling task will include the installation of five new monitoring wells; the new wells and five existing wells will be sampled and analyzed for target compound list (TCL) organics, metals, and cyanide.

Citizen Participation

As part of the citizen participation for this Site a public meeting will be held on 15 May 1996 at 7:30 p.m. at the Old Country Road Elementary School all-purpose room (cafeteria) located at 49 Rhodes Lane in Hicksville, New York, to discuss the field work to be conducted for the RI (for more details, see the attached meeting invitation). Project-related public documents are available for public to read at the following information repositories:

Hicksville Public Library	NYSDEC Region 1 Office
169 Jerusalem Avenue	Hazardous Waste Remediation Unit
Hicksville, NY	N. Loop Rd, SUNY Campus
	Stony Brook, NY

For Further Information

If you have questions or need further information, please contact the NYSDEC Region 1 project manager for this site, Christopher LaFemina, at (516) 444-0242, or the Citizen Participation Specialist, Joshua Epstein, at (516) 444-0249, or use the NYSDEC hazardous waste remediation toll-free telephone number, (800) 342-9296. For health-related questions contact Michael Kadlec at (518) 458-6305, or call the New York State Department of Health toll-free at (800) 458-1158, extension 402.

Lawler, Marusky & Skelly Engineers LLP
Attn: Project Manager - Alsy Manufacturing Site
One Blue Hill Plaza
Pearl River, New York 10965

YOU ARE INVITED TO A PUBLIC INFORMATION MEETING

The New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH), in conjunction with Surrey Company, the current site owner, will be conducting a public information meeting regarding the Alsy Manufacturing inactive hazardous waste site. The meeting is scheduled for 7:30 on Wednesday, May 15, 1996 at the Old Country Road Elementary School all-purpose room (cafeteria), 49 Rhodes Lane, Hicksville, New York. Following a brief presentation regarding the remedial investigation of the site, representatives from NYSDEC, NYSDOH, Surrey Company, and their consultant, Lawler, Marusky & Skelly Engineers LLP (LMS) will be available to answer any questions. More information is provided in this fact sheet. For further information contact Mr. Joshua Epstein of NYSDEC at (516) 444-0249.

Lawler, Marusky & Skelly Engineers LLP
Attn: Project Manager - Alsy Manufacturing Site
One Blue Hill Plaza
Pearl River, New York 10965

WASTE ANALYSIS PLAN

(6NYCRR 373-3.2 (d)(2))

at

ALSY MANUFACTURING CO., INC.
270 DUFFY AVENUE
HICKSVILLE, NEW YORK 11801

GENERATOR US EPA I.D. #NYD052783438

PREPARED BY:

ALSY MANUFACTURING CO, INC.
BURTON B. ROBBINS,
ENVIRONMENTAL COORDINATOR

OCTOBER 1989

SYL00113522

INTRODUCTION AND OVERVIEW

This "Waste Analysis Plan" has been prepared by Alsy Manufacturing Co., Inc. (Alsy) in order to meet the requirements outlined in 6 NYCRR Section 373-3.2(d)(2) of the New York State Department of Environmental Conservation Hazardous Waste Management Rules.

This plan will endeavor to establish the procedures to which Alsy will adhere in order to determine the physical and chemical properties of representative samples taken from known and potential waste streams generated at this facility (270 Duffy Avenue, Hicksville, NY 11801). The analysis of the samples will provide, at a minimum, sufficient information for the classification, storage, treatment and disposal of these substances by Alsy and or any authorized treatment, storage and disposal facility (TSD) of choice.

Alsy's product line, at this facility, consists mainly of metal table lamps of varying sizes and configuration. The manufacturer of these lamps entails a number of processes, of which some generate substances that must be either treated on-site or disposed of off-site on a regular basis.

The following are examples of these types of manufacturing process.

- 1) The paint finishing operation produces spent solvents that are generated during the cleaning of paint finishing equipment such as spray guns, fluid hoses and the surrounding spray booths. This spent solvent is recycled at this facility via an on-site distillation process. The distillation process recovers a majority of the solvents but generates still bottoms that we accumulate and manage to an authorized TSD. At this time, the TSD ultimately disposes of this waste by blending it with fuels to be used in fueling cement kilns in the production of cement.

The brass plating operation is conducted in conjunction with an on-site wastewater treatment unit. The "wastewater treatment unit" receives and treats all liquids emanating from the brass plating operation prior to their being discharged to the publicly owned treatment works (POTW). The "wastewater treatment unit" generates a sludge which is managed to a resource recovery facility that packages and distributes this material for use as an ingredient in an industrial process to make a product. Alsy's sludge is therefore an effective substitute for a commercial product.

Even though this material is not solid waste (See NYCRR 371.1(c)(6)(i)), extensive physical and chemical analysis is performed on this material to insure its content and consistency.

- 3) A vapor degreasing process is another phase of the manufacturing process. It removes foreign materials (oil, polishing compounds etc.) from metal parts prior to coating with paints. This process utilizes 1,1,1 Trichlorethane as its cleaning medium and has as an integral part of the process the repeated distillation of this material. This ongoing distillation process generates still bottoms which must be accumulated and disposed of as a hazardous waste.
- 4) A small but consistent source of waste is spent (machine) lubricating oils (lubricants) which eventually must be recycled or disposed of.
- 5) Two waste types are generated on a nonroutine basis. One waste stream is best described as "off-spec" or "occasional" waste which is generated due to commercial chemical product becoming obsolete or because of the occasional use of a material during either research and development or short runs. An additional nonroutine waste stream are wastes that build up in process equipment which are disposed of on a semi-annual basis such as:
 - a) Carbonates that build up in brass plating tanks (Cyanide containing)
 - b) Paints that must be disposed of because aging has made them off-spec for manufacturing purposes.
 - c) Stripping solutions used to remove defective plating from items in order to reclaim them.
 - d) Chemical antiquing solutions used in finishing some metal parts (Sulfuric acid).

Wherever possible, storing alkalis or acids are neutralized within an "elementary neutralization unit" to render them less corrosive, safer for storage, amenable to further treatment, or safer for transport off-site.

All waste and recyclable materials are accumulated in a containment area prior to their being transported from Alsy to either the resource recovery facility or to an authorized treatment, storage and disposal facility. This containment area is designed to contain leaks and spills that might occur due to the storage of the drums and or containers within. It has a capacity equal to 120% of the containers normally stored within its confines.

ENGINEERING INVESTIGATIONS AT INACTIVE HAZARDOUS WASTE SITES

PHASE II INVESTIGATION

Depew Manufacturing Corporation Site No. 130038
Hicksville Nassau County

DATE: February 1993

Report



DEPEW

Prepared for:
New York State
Department of
Environmental Conservation

50 Wolf Road, Albany, New York 12233
Thomas C. Jorling, *Commissioner*

Division of Hazardous Waste Remediation
Michael J. O'Toole, Jr., P.E., *Director*

By:
Lawler, Matusky & Skelly Engineers

SYL00113576

CHAPTER 1

EXECUTIVE SUMMARY

The Depew Manufacturing Corporation site is located at 359 Duffys Avenue in the unincorporated area of Hicksville, Town of Oyster Bay, Nassau County, New York (Figure 1-1). The site is the property of Hollywood Construction, Ltd., owned by George Prinz of Huntington, New York, and his former business partner, Joan Dvoskin, of Melville, New York. Mr. Prinz purchased the property from Mason Tucker, former president and owner of Depew. The site is flat, with one large building facing Duffys Avenue, the northern boundary. Charlotte Avenue Extension is the western boundary. Commercial properties border the site on the east, northeast, and south. Photos taken during the site reconnaissance are oriented to Figure 1-2.

Depew once manufactured and ground fiberglass tubes and rods, including fishing poles. Exactly when operations began is unknown, but records show the facility operated from at least 1973 to 1985. The Nassau County Department of Health (NCDOH) first identified improper handling of wastes in 1977 and requested that Depew obtain a State Pollutant Discharge Elimination System (SPDES) permit. Depew process wastewater exited the building via trenches or ditches on the eastern side and at the rear of the building, where it settled into a pit. The facility was cited for improper storage of drums and noncompliance with best management practices. Mr. Tucker filed for a U.S. Environmental Protection Agency (EPA) identification number for disposal of acetone and completed an Industrial Chemical Survey that provided information about raw material usage. Materials used on-site included acetone, styrene, 2-butanone (also known as methyl ethyl ketone), diallyl-phthalate, several polyester resins, and other organic chemicals.

NCDOH and the New York State Department of Environmental Conservation (NYSDEC) sampled the site on several occasions. Volatile organic compounds (VOCs), including ethylbenzene, styrene, toluene, and benzene, phthalates, and metals, were identified in high concentrations in the waste effluent and in the settling pit samples. Both NCDOH and

SYL00113577



Lat 40°45'34"N
Long 73°32'51"W

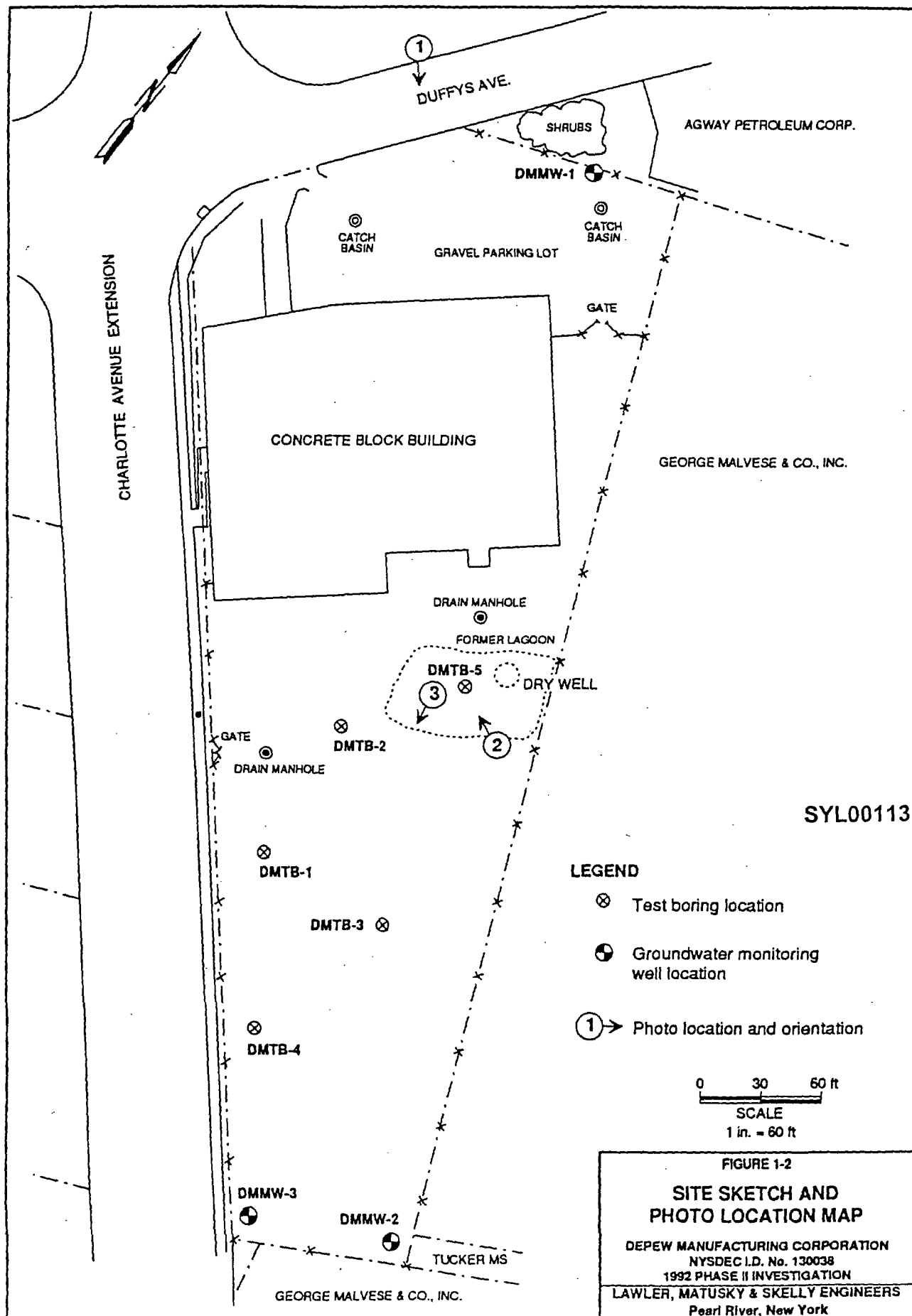
Map source: USGS Freeport 7.5 Minute Quadrangle 1969
and Hicksville 7.5 Minute Quadrangle, 1967
both photorevised 1979



FIGURE 1-1
SITE LOCATION

DEPEW MANUFACTURING CORPORATION
NYSDEC LD. No. 130038
1992 NYSDEC PHASE II INVESTIGATION
LAWLER, MATUSKY & SKELLY ENGINEERS
Pearl River, New York

SYL00113578



SYL00113579

NYSDEC spent several years unsuccessfully trying to bring Depew into compliance, and the facility closed in March 1985.

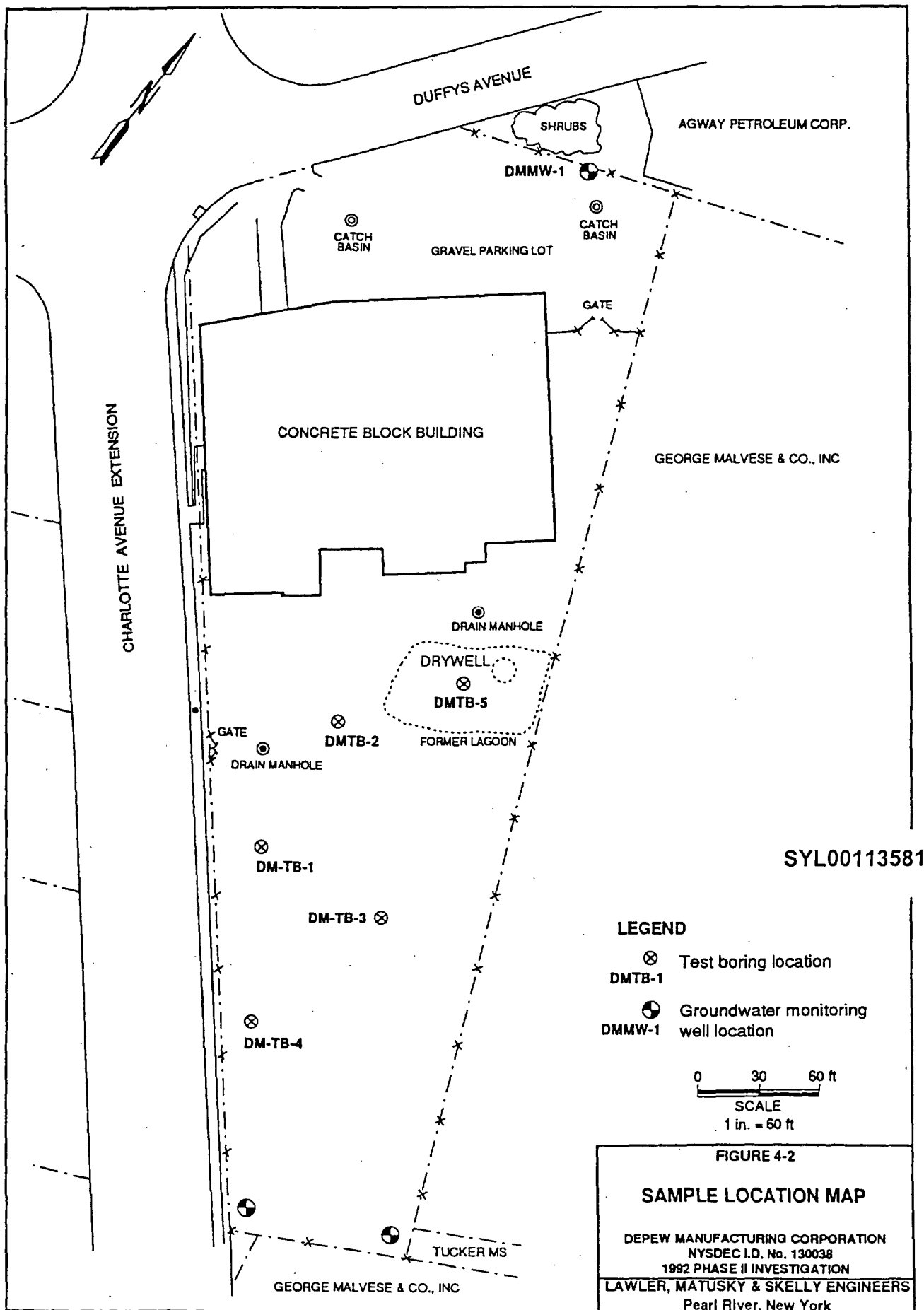
In 1986 and 1987 the current owner, George Prinz, removed wastes from the settling pit and had them landfilled in Model City, New York. In July 1988 Roux Associates, Inc., completed a Phase I investigation at the site and concluded that a Phase II investigation should be conducted.

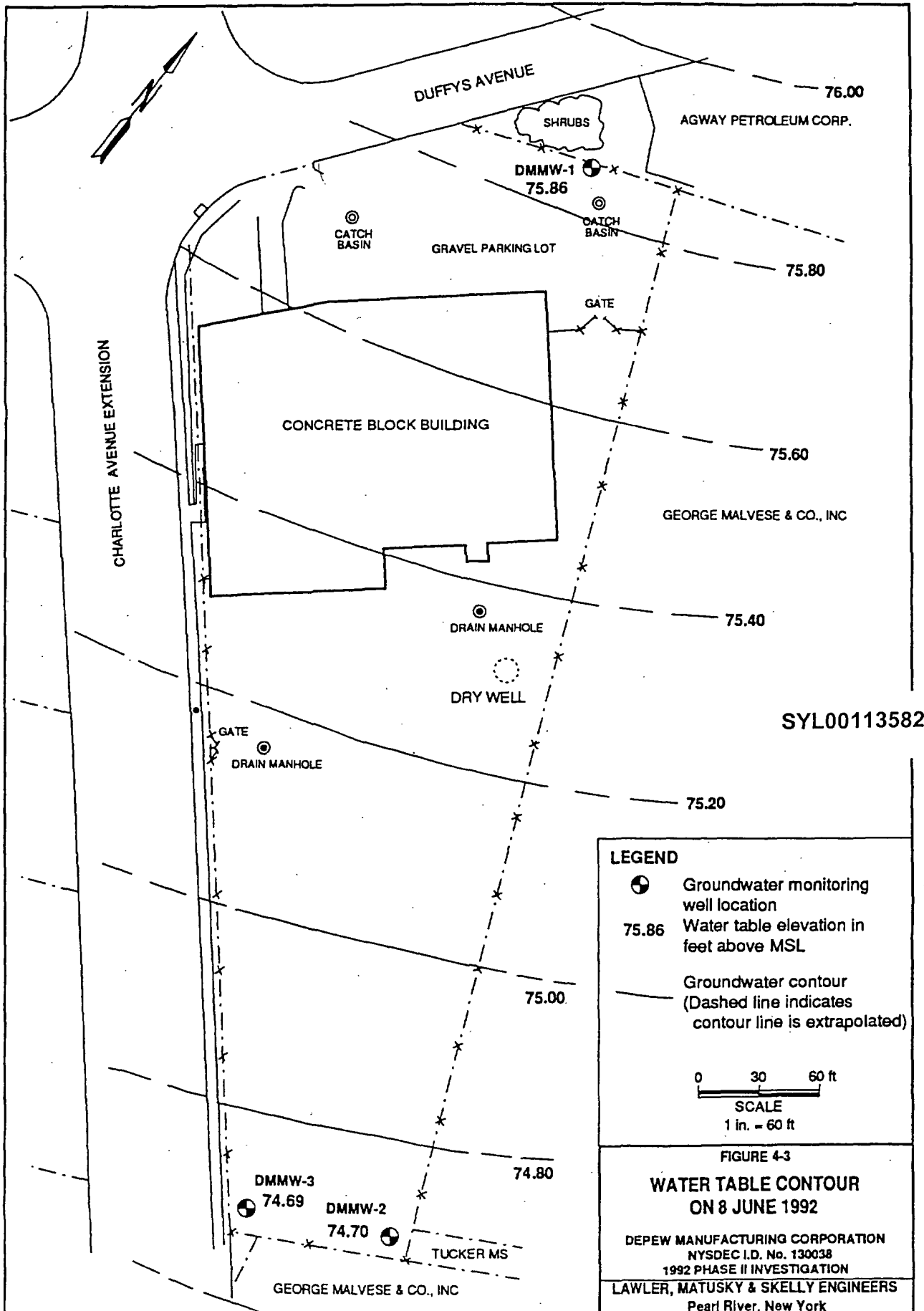
In March 1992 Lawler, Matusky & Skelly Engineers (LMS) began a Phase II investigation. Three monitoring wells and five soil borings were installed. Groundwater and soil samples were collected and analyzed.

Groundwater at the site is contaminated with 1,1,1-trichloroethane, 1,1,2,2-tetrachloroethane, and metals, including chromium, iron, manganese, and sodium. Some standards were exceeded at both the upgradient and the two downgradient locations, and regional groundwater is known to be contaminated with chlorinated solvents. There is no conclusive evidence that Depew activities have impacted groundwater quality at the site.

Low-level, widespread contamination of soils by organic compounds at the rear of the building is a result of site wastes, heavy equipment operations, and/or the nature of deposited fill material. None of the site soils tested demonstrated hazardous waste characteristics. The levels of contaminants do not pose a threat to groundwater. It is recommended that the site be delisted. It is also recommended that areas with PCB concentrations greater than 1 mg/kg and ethylbenzene concentrations from 86 to 400 mg/kg be remediated.

SYL00113580

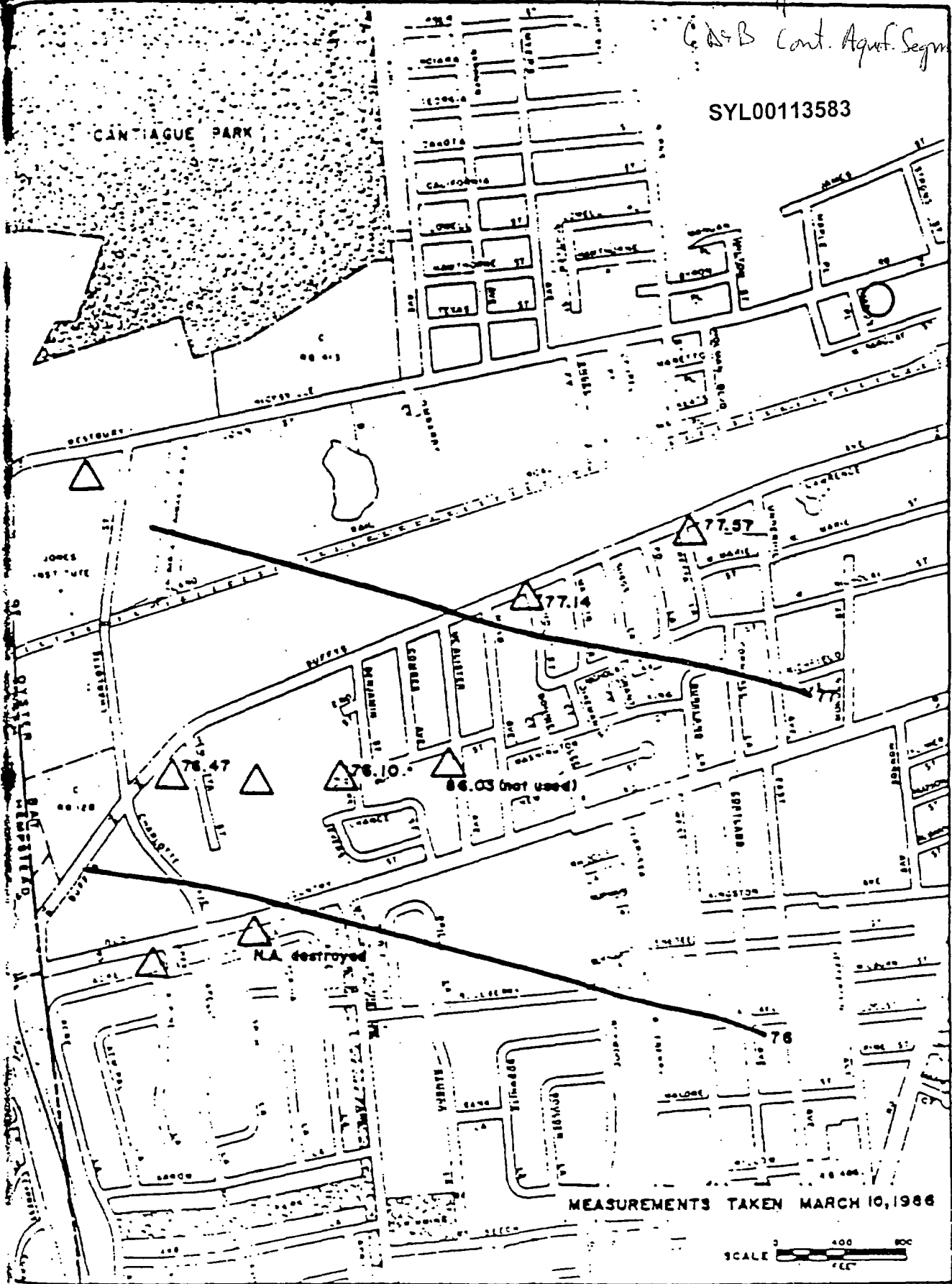




SYL00113582

from App C of Phase II Rpt
(C & B Cont. Aquif. Segments)

SYL00113583



TEST BORING/MONITORING WELL CONSTRUCTION LOG

Page 1 of 2

Project Name: DEPEW MANUFACTURING

Boring I.D.: DMMW-1

Site Location: 359 DUFFY AVE. HICKSVILLE, N.Y.

Drilling Co.: WATER RESOURCES, INC.

Job Number: 578-047

Drilling Method: 3.25-IN, 8.25-IN HSA

Client: NYSDEC

Date Begin/End: 4-13-92/4-14-92

NYSDEC Site I.D. 130038

Surface Elevation: 127.1

Boring Location: FRONT GRAVEL PARKING LOT, NEAR SHRUB PATCH

Depth to Water: 51.7

Geologist: JOSEPH MASTROMARCHI

Total Depth: 70

DEPTH (FT)	SPLIT-SPOON	RECOVERY	MOISTURE	PID READING	FID READING	GEOLOGIC DESCRIPTION and = 35-50% some = 20-35% little = 10-20% trace = 0-10% f = fine m = medium c = coarse	LITHOLOGY	WELL DIAGRAM
2	SS-1	1.5	DRY		BKGD	Lt. brown fmc sand, some f gravel (round)		<p>4.0" SCH. 40 PVC</p> <p>Bentonite-Portland Cement</p>
4								
6	SS-2	1.2	DRY		0.8	Lt. brown fmc sand, some fm gravel (round to subround), gravel is predominantly quartz		
8								
10								
12	SS-3	1.4	DRY		0.2	Lt. orange-brown fmc sand, some fm gravel (round to subround)		
14								
16	SS-4	1.4	DRY		0.2	Similar material, gravel fraction decreasing slightly with depth		
18								
20								
22	SS-5	1.0	DRY		10			
24								
26	SS-6	1.2	DRY		15			
28								
30								
32	SS-7	1.1	DRY		--			
34								
36	SS-8	1.4	DRY		6	Tan fm sand; slightly compact - trace dark minerals		
38								

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TEST BORING/MONITORING WELL CONSTRUCTION LOG

Page 2 of 2

Project Name: DEPEW MANUFACTURING

Boring I.D.: OMMW-1

Site Location: 358 DUFFY AVE. HICKSVILLE, N.Y.

Drilling Co.: WATER RESOURCES, INC.

Job Number: 578-047

Drilling Method: 3.25-IN. 8.25-IN HSA

Client: NYSDEC

Date Begin/End: 4-13-92/4-14-92

NYSDEC Site I.D. 130038

Surface Elevation: 127.1

Boring Location: FRONT GRAVEL PARKING LOT, NEAR SHRUB PATCH

Depth to Water: 51.7

Geologist: JOSEPH MASTROMARCHI

Total Depth: 70

DEPTH (FT)	SPLIT-SPOON	RECOVERY	MOISTURE	PID READING	FID READING	GEOLOGIC DESCRIPTION and = 35-50% some = 20-35% little = 10-20% trace = 0-10% f = fine m = medium c = coarse	LITHOLOGY	WELL DIAGRAM
41	SS-9	1.3	DRY		2	Lt. brown medium sand, trace c sand and f gravel; occasional rusty patches		
43								
45								
47	SS-10	1.0	DRY		BKGD	Yellow-brown to orange-brown fine sand, trace f gravel (round)		
49								
51	SS-11	1.0	DAMP		22	Lt. brown mc sand and fm gravel (round to subround)		
53								
55								
57	SS-12	1.2	WET		.2	upper 0.8: Tan fm sand, trace f gravel (rounded) lower 0.8: Brown silt; soft		
59								
61	SS-13	0.8	WET		10	Lt. brown fm sand, some fm gravel (round)		
63								
65								
67	SS-14	2.0	WET		.4	Lt. tan fm sand; very clean, grains subround to round		
69						E.O.B.		
71								
73								
75								
77								

SYL00113585

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Page 1 of 2

Project Name: DEPEW MANUFACTURING

Boring I.D.: DMMW-2

Site Location: 359 DUFFY AVE. HICKSVILLE, N.Y.

Drilling Co.: WATER RESOURCES, INC.

Job Number: 578-047

Drilling Method: 3.25-IN, 8.25-IN HSA

Client: NYSDEC

Date Begin/End: 4-14-92/4-15-92

NYSDEC Site I.D. 130038

Surface Elevation: 127.3

Boring Location: REAR LOT, SE CORNER

Depth to Water: 53

Geologist: JOSEPH MASTROMARCHI

Total Depth: 71

DEPTH (FT)	SPLIT-SPOON	RECOVERY	MOISTURE	PTD READING	FID READING	GEOLOGIC DESCRIPTION and = 35-50% some = 20-35% little = 10-20% trace = 0-10% f = fine m = medium c = coarse	LITHOLOGY	WELL DIAGRAM
2	SS-1	1.2	DRY		BKGD	Brown fm sand, some fm gravel (subang to subround) - also glass		<p>4.0" SCH. 40 PVC</p> <p>Bentonite-Portland Cement</p>
4								
6	SS-2	0.2	DRY		BKGD	pushed cobble - Lt. tan fm sand in shoe		
8								
10								
12	SS-3	0.9	DRY		BKGD	Lt. brown fmc sand, some fm gravel (round to subround)		
14								
16	SS-4	0.9	DRY		0.4	Lt orange-brown, fmc sand (c fraction subordinate), little fm gravel (round) - loose		
18								
20								
22	SS-5	1.0	DAMP		BKGD	Similar material		
24								
26	SS-6	0.1	DAMP		BKGD	pushed gneissic cobble, similar material to above in shoe		
28								
30								
32	SS-7	1.1	DAMP		0.8	Lt. brown fmc sand, little f gravel (subround) - trace dark minerals, loose		
34								
36								
38	SS-8	0.3	DAMP		BKGD	Similar material to above		
38								

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TEST BORING/MONITORING WELL CONSTRUCTION LOG

Page 2 of 2

Project Name: DEPEW MANUFACTURING

Boring I.D.: DMMW-2

Site Location: 350 DUFFY AVE. HICKSVILLE, N.Y.

Drilling Co.: WATER RESOURCES, INC.

Job Number: 576-047

Drilling Method: 3.25-IN. 8.25-IN HSA

Client: NYSDEC

Date Begin/End: 4-14-92/4-15-92

NYSDEC Site I.D. 130038

Surface Elevation: 127.3

Boring Location: REAR LOT, SE CORNER

Depth to Water: 53

Geologist: JOSEPH MASTROMARCHI

Total Depth: 71

DEPTH (FT)	SPLIT-SPOON	RECOVERY	MOISTURE	PID READING	FID READING	GEOLOGIC DESCRIPTION and = 35-50% some = 20-35% little = 10-20% trace = 0-10% f = fine m = medium c = coarse	LITHOLOGY	WELL DIAGRAM
41	SS-9	1.2	DAMP		3-5	Lt. orange-brown fmc sand (c fraction subordinate), trace fm gravel (subround) - gravel is mostly quartz		<p>4.0" SCH. 40 PVC</p> <p>0.010" SLOTTED PVC SCREEN</p> <p>#1 Mole Sand</p> <p>Bentonite seal</p>
43								
45	SS-10	1.0	DAMP		BKGD	Similar material to above		
47								
49								
51	SS-11	0.3	DAMP		BKGD	pushed cobble - Lt brown fm sand, trace fm gravel (subround) in shoe		
53								
55	SS-12	1.5	WET		3	Lt tan fm sand (f fraction subordinate), trace f gravel (round)		
57								
59								
61	SS-13	0.8	WET		0.8	Similar material to above		
63								
65	SS-14	1.5	WET		BKGD	Gray-brown fmc sand (c fraction subordinate), grades downward in split-spoon to lt. brown fmc sand (c fraction subordinate), trace f gravel (round)		
67								
69	SS-15	1.5	WET		BKGD	Lt. brown fm sand; very clean, grains subround to round		
71						E.O.B.		
73								
75								
77								

SYL00113587

TEST BORING/MONITORING WELL CONSTRUCTION LOG						Page 1 of 2	
Project Name: DEPEW MANUFACTURING						Boring I.D.: DMMW-3	
Site Location: 359 DUFFY AVE. HICKSVILLE, N.Y.			Drilling Co.: WATER RESOURCES, INC.				
Job Number: 578-047			Drilling Method: 3.25-IN, 8.25-IN HSA				
Client: NYSDEC			Date Begin/End: 4-18-92/4-17-92				
NYSDEC Site I.D. 130038			Surface Elevation: 126.3				
Boring Location: REAR LOT, SW CORNER			Depth to Water: 53				
Geologist: JOSEPH MASTROMARCHI			Total Depth: 70				

DEPTH (FT)	SPLIT-SPOON	RECOVERY	MOISTURE	PID READING	FID READING	GEOLOGIC DESCRIPTION	LITHOLOGY	WELL DIAGRAM
						and = 35-50% some = 20-35% little = 10-20% trace = 0-10%		
2	SS-1	0.4	DAMP		BKGD	Dk. brown fmc sand and fm gravel (dk gray and white pebbles, angular) - (fill)		<p>4.0" SCH. 40 PVC</p> <p>Bentonite-Portland Cement</p> <p>Bentonite seal</p>
4						3-4 ft interval contains lt. brown clayey silt - observed in cuttings		
8	SS-2	0.8	DRY		BKGD	Lt. brown fmc sand (c fraction is subordinate), some fm gravel (subang to subround) - cobbles		
8								
10	SS-3	NR	--		--	No recovery, probably pushed cobble		
12								
14								
16	SS-4	0.8	DRY		BKGD	Lt. brown fm sand and fm gravel (subang to subround) - pounded through hematitic cobble		
18								
20	SS-5	0.9	DAMP		BKGD	Lt. brown fmc sand (c fraction subordinate), some fm gravel (rounded), trace silt		
22								
24								
26	SS-6	0.4	DRY		BKGD	Lt brown fm sand, trace f gravel (subround)		
28								
30	SS-7	1.5	DAMP		BKGD	Lt brown fmc sand (c fraction subordinate), some fm gravel (subround), trace silt		
32								
34								
36	SS-8	1.0	DAMP		BKGD	Lt. brown fm sand, some fm gravel (subround) - gravel is mostly quartz		
38								

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TEST BORING/MONITORING WELL CONSTRUCTION LOG

Page 2 of 2

Project Name: DEPEW MANUFACTURING

Boring I.D.: DMMW-3

Site Location: 359 DUFFY AVE. HICKSVILLE, N.Y.

Drilling Co.: WATER RESOURCES, INC.

Job Number: 578-047

Drilling Method: 3.25-IN, 8.25-IN HSA

Client: NYSDEC

Date Begin/End: 4-18-82/4-17-82

NYSDEC Site I.D. 130038

Surface Elevation: 126.3

Boring Location: REAR LOT, SW CORNER

Depth to Water: 53

Geologist: JOSEPH MASTROMARCHI

Total Depth: 70

DEPTH (FT)	SPLIT-SPOON	RECOVERY	MOISTURE	PID READING	FID READING	GEOLOGIC DESCRIPTION and = 35-50% some = 20-35% little = 10-20% trace = 0-10% f = fine m = medium c = coarse	LITHOLOGY	WELL DIAGRAM
41	SS-9	1.0	DAMP		BKGD	Lt. brown fine sand, trace mc sand, trace f gravel (round) - 2-inch rusty interval near top of sample		
43								
45								
47	SS-10	1.1	DAMP		BKGD	Lt. brown fm sand, some f gravel (round), trace silt		
49								
51	SS-11	1.3	DAMP		BKGD	upper: Lt. brown to brown fm sand, little fm gravel (round) lower: Lt. brown fm sand and fm gravel, trace silt		
53	SS-12	1.4	WET		BKGD			
55	SS-13	0.9	WET		BKGD	upper 0.7: Lt. brown fm sand, trace fm gravel (rounded) lower 0.8: Lt. brown fmc sand and fm gravel (round)		
57	SS-14	0.8	WET		BKGD	Lt. tan fm sand, trace fm gravel (round), trace silt		
59	SS-15	0.5	WET			Dark gray fm sand, some fm gravel (round) Lt gray fm sand		
61	SS-16	1.7	WET		BKGD	Lt. brown fm sand - last 0.2 ft of sample brown silt, trace clay		
63								
65	SS-17	1.7	WET		BKGD	Brown f sand		
67	SS-18	0.7	WET		BKGD	Brown f sand, trace silt		
69						E.O.B.		
71								
73								
75								
77								

SYL00113589

**ENGINEERING INVESTIGATION OF
INACTIVE HAZARDOUS WASTE SITES**

- PHASE II INVESTIGATIONS -

AGO Associates Site
Site No: 130029
Town of Oyster Bay, Nassau County
Final - June 1992



Prepared for:
New York State
Department of
Environmental Conservation

50 Wolf Road, Albany, New York 12233-7010
Thomas C. Jorling, Commissioner

Division of Hazardous Waste Remediation
Michael J. O'Toole Jr., P.E., Director

Prepared by:

ROUX ASSOCIATES, INC.
775 Park Avenue
Huntington, New York 11743

Subcontractor to:
Gibbs & Hill, Inc.
New York, New York

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ROUX

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- B. Field Procedures
 - Section 1 - Split Spoon Sampling and Monitoring Well Installation
 - Section 2 - Monitoring Well Sampling
- C. Geologic Logs and Monitoring Well Construction Logs
- D. Chain of Custody Documentation
- E. Aquifer Testing Data
- F. Federal and State Water Standards and Goals
- G. Names and Addresses of Subcontractors
- H. Surveyor's Sketch and Elevation Data
- I. NYSDEC Division of Hazardous Waste Remediation Inactive Hazardous Waste Disposal Report
- J. EPA Potential Hazardous Waste Site, Site Inspection Report Form 2070-13.

SYL00114743

1.0 EXECUTIVE SUMMARY

Roux Associates, Inc. (Roux Associates) was subcontracted by Gibbs & Hill, Inc. to conduct a Phase II investigation at the former AGO Associates landfill site (Site) (ID No. 130029) for the New York State Department of Environmental Conservation (NYSDEC). A Phase II Work Plan Update prepared by Roux Associates was submitted to the NYSDEC in September of 1990, and approved. This report presents the results of the Phase II investigation.

The Site is located in the Town of Oyster Bay, Nassau County, New York (Figure 1) and originally consists of a 14.4 acre plot which was permitted to be filled with construction and demolition debris. After closure of the landfill, the Site was sold to, and is currently occupied by, five new property owners (Agway, Inc., Alpha John Associates, Trinon Development Corporation, J.D. Tomfor Transportation Company, and Twin County Asphalt Corporation) for commercial and industrial purposes.

As a result of monthly inspections by the Nassau County Department of Health (NCDOH) several violations were noted at the Site. Most notable of these violations was the storage of over 100 55-gallon drums containing industrial solvents, lacquers, and thinners. The NCDOH ordered AGO Associates to remove and properly dispose of these drums in 1975. AGO Associates complied.

The landfill was closed in January of 1979 following the final cover and grading of the landfill.

A Phase I study of the Site was conducted by YEC, Inc. in 1989 and was unable to make any final conclusions on possible Site contamination.

A Phase II investigation of the Site was performed by Roux Associates to calculate the final Hazard Ranking System (HRS) scores so the Site can be classified for possible further action by the NYSDEC. Field investigations included:

- a site reconnaissance;
- an air monitoring survey;
- a limited geophysical survey;

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- installation of six monitoring wells;
- collection of soil samples for physical analysis; and
- the collection of nine ground-water samples.

Ground water was analyzed to determine the occurrence and investigate the extent of potential contamination at the Site.

Several volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and metals were detected in the ground water sampled at the Site. However, these concentrations were low to moderate, and were not significantly higher in the downgradient wells than in the upgradient wells. Therefore, no significant release of hazardous substances is believed to be presently occurring at the Site.

The final HRS scores for the Site based on the Phase II investigation have been calculated as follows (see Section 5):

Sm = No Score

Sgw = No Score

Ssw = 0

Sa = 0

Sfe = Not Scored

Sdc = 0

Professional engineering review of this report has been furnished by Remedial Engineering, P.C., Huntington, New York.

SYL00114745

2.0 PURPOSE

The objective of a New York State Superfund Phase II investigation of an inactive hazardous waste site is to determine if contaminants are present or leaving the Site with a resulting impact on human population and/or the environment.

At the AGO Associates site, the objective of the investigation was to collect the information required to develop final HRS scores and to classify the Site for further action. This included collecting the field data necessary to identify the occurrence and characteristics of contamination and determine if a release of contaminants from the Site has occurred. These data were used to determine if any imminent and/or significant environmental or health hazard exists. These objectives were accomplished through the installation of ground-water monitoring wells and the sampling and analysis of ground water and soil.

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3.0 SCOPE OF WORK

A Phase II investigation was performed at the Site by Roux Associates in order to characterize the subsurface conditions at the Site (i.e. soil, stratigraphy, ground-water flow, and ground-water quality) and to identify the nature and extent of possible soil and ground-water contamination. A Work Plan update was submitted by Roux Associates in September, 1990, to define the scope of drilling and sampling at the Site and was approved by the NYSDEC. The Phase II investigation also included an in-depth search and review of relevant literature and historical data, which are provided in Appendix A.

3.1 Introduction

The field investigation was conducted by Roux Associates between August 1990 and April 1991, and included a site reconnaissance, air survey, a limited geophysical survey, the installation of six monitoring wells, and soil and ground-water sampling and analysis.

3.2 Air Survey

An air monitoring survey was conducted at the Site on August 7, 1990 to determine the quality of air in and around the perimeter of the Site and to delineate the source of any airborne contaminants.

Four instruments were utilized in this survey. These included the Model OVA128 Century Organic Vapor Analyzer (OVA), the 580A portable Organic Vapor Meter (OVM), the RM-750 Micro-Roentgen Radiation Monitor (Radiometer), and the Gastech Model 6X-82 Personal Three-Way Gas Alarm (Tri-Gas Meter).

In accordance with the Site Health and Safety Plan contained in the Roux Associates' Phase II Work Plan Update, all four of the above-mentioned instruments were used to monitor the air in the working zone during site activities.

3.3 Geophysical Survey

A limited geophysical survey was conducted at the Site on August 7, 1990 at the proposed well locations, using a Schonstedt Model 64A-52 Flux gate Magnetometer to detect buried ferromagnetic objects which might be encountered during drilling activities. There were no major magnetometer responses at any of the well locations proposed by NYSDEC, however

some locations contained small discrete areas of response probably due to small near-surface ferromagnetic objects. Field procedures and results of the survey were submitted as part of the Phase II Work Plan Update.

3.4 Soil Sampling

Soil sampling at the Site included the collection of split-spoon samples for geologic logging, field screening for potential contamination, and grain size analysis.

Split-spoon samples were collected every five feet from the land surface to the bottom of the borings drilled for monitoring wells as described in Appendix B. Each sample was field screened with the OVM for the presence of organic vapors, immediately upon its removal from the split spoon. All OVM readings were zero. Geologic logs are presented in Appendix C.

Six soil samples were collected between February 20 and March 6, 1991 from the screened zone of each of the monitoring wells, and chain of custody documentation was maintained for each sample (Appendix D). Grain size analyses were performed on these samples to confirm the pre-selected screen slot size (.010 slot is primarily used since the soils on Long Island are primarily sand and gravel) and to characterize the aquifer materials at the water table. These analyses are included in Appendix E. The purpose of properly sizing the screen slot is to minimize suspended solids in the ground-water sample.

3.5 Monitoring Well Installation

Six monitoring wells were installed between February 20 and March 6, 1991 at the locations shown in Figure 2 by Marine Pollution Control, Calverton, New York under the supervision of a hydrogeologist from Roux Associates. Monitoring well installation procedures are described in Appendix B. Monitoring well construction details are presented in Table 1, and well construction diagrams and geologic logs are given in Appendix C.

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3.6 Ground-Water Sampling and Analysis

Nine ground-water samples, including one duplicate, as well as a Matrix Spike/Matrix Spike Duplicate (MS/MSD), were collected on March 26 and 27, 1991 following the Procedures outlined in Appendix B. Two of the wells sampled (MW-7 and MW-8) were preexisting and are located on the Magnusonics property (Figure 2).

The samples were analyzed for Target Compound List (TCL) metals, volatiles, semi-volatiles and pesticides/PCBs. H2M Laboratories, Melville, New York, performed the analyses in accordance with the January 1990 NYSDEC Contract Laboratory Protocols (CLP). The analytical results are discussed in Section 4.5 and are included in Appendix E.

3.7 Aquifer Testing

The hydraulic characteristics of the aquifer were determined through the performance of slug tests. Water levels in the ground-water monitoring wells were measured to determine the direction of flow of ground water at the Site. Rising head slug tests were conducted on monitoring wells MW-1 through MW-6 to determine the hydraulic characteristics of the shallow materials surrounding the screens. The results are discussed in detail in Section 4.4.

Water-level measurements collected on March 11 and April 18, 1991 are presented in Table 2 and are discussed in detail in Section 4.4. Water level contours are presented in Figure 3.

4.0 SITE ASSESSMENT

4.1 Site History

The Site, located on West John Street in Hicksville, New York, is the former AGO Landfill and consists of a 14.4 acre plot which was permitted to be filled with construction and demolition debris (Figure 1). The plot is currently occupied by five new property owners (Figure 2). Three of the property owners, Agway Inc., Alpha John Associates, and Trinon Development Corporation, purchased their parcels during the 1970's prior to closure of the landfill. The other two plots were purchased by J.D. Tomfor Transportation Company and Twin County Asphalt Corporation in 1981 (Reference 2, Section 5).

The facility was previously a sand mining operation until it was purchased in 1963 by Charles Andromidas, Morris and Aaron Green, and Jimmy O'Connell, forming the partnership known as AGO Associates. The pre-existing sand pit was used for the landfilling of construction and demolition debris from 1963 until January of 1979 (Reference 2, Section 5).

The Nassau County Department of Health (NCDOH) began inspecting the facility on a monthly basis in 1973. During the inspections it was discovered that industrial, commercial, and agricultural wastes were landfilled at the Site. Local residents have reported that they have witnessed materials other than construction and demolition debris (drums, etc.) being deposited at the Site (References 1,2,3,4). No information could be obtained to determine if the Site was under permit by the NYSDEC at any time.

During the inspections conducted by the NCDOH, a number of violations were observed at the Site. These included the improper spreading and compaction of refuse, over accumulation of salvage materials, outbreaks of smoldering fires, and rodent infestation. Several dozen 55 gallon drums of industrial solvents, lacquers, and thinners were discovered at the Site on October 2, 1974. The Site was then inspected biweekly and on subsequent inspections more than 100 55-gallon drums were discovered at a number of locations across the Site. NCDOH officials ordered the drums to be removed via commercial chemical salvage and any spillage to be mixed with absorbent and removed from the landfill. By January 13, 1975 all of the drums had been removed and disposed (Reference 4).

Alex Pank of the Town of Oyster Bay Zoning Department served a summons to AGO Associates on December 7, 1976 charging them with illegal salvage operations and heavy equipment storage at the Site. AGO Associates complied with the summons and removed the salvage and heavy equipment from the site (Reference 3, Section 5).

The New York State Department of Environmental Conservation (NYSDEC) frequently inspected the Site from October of 1978 to December of 1979. During this time the final cover was being applied to the landfill and the Site was dormant. The Site generally received favorable reports with only minor incidents reported. In January of 1979 the landfill was completely covered and graded signalling the close of the landfill (Reference 5).

The NYSDEC conducted a sampling program during which a total of 14 soil samples were taken from the surficial soils and materials on the Site. The results of the analysis of these samples indicated low levels of pesticides and volatile organic compounds (Reference 6). However the exact location of the sampling points were not found in the NYSDEC records reviewed. Also many of the detections were of estimated values and found in the field blank as well. Due to the limits of this information conclusions resulting from this data could not be drawn.

4.2 Topography

The Site is located to the east of the geographical center of Nassau County, Long Island. The Site was previously a landfill for construction and demolition debris but has since been divided up into five separate commercial properties (Reference 2, Section 5). The entire area of the Site covers approximately 14.4 acres and was graded to an elevation of 120 feet above mean sea level (MSL) with a slope of 0 to 2 percent to the south. There are no designated wetlands within one mile of the Site (Reference 10, Section 5 and Reference 11, Section 5).

The Site is located within a heavily commercial area with the north and south boundaries bordered by West John Street and the Long Island Railroad, respectively. The nearest residential areas are approximately 0.25 mile to the south of the Site (Reference 10, Section 5).

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4.3 Air Survey

An air monitoring survey was conducted on August 7, 1990 to determine the quality of air in and around the perimeter of the Site, and to delineate the source of any airborne contaminants.

A perimeter survey was conducted utilizing an OVA, OVM, Tri-Gas Meter and a Radiometer. The readings on all four instruments, and wind direction, were recorded as they occurred. Throughout the entire survey no readings on any of the instruments were observed.

During the drilling operations, the four above-mentioned instruments were used to continuously monitor any emissions emanating from the boreholes. No readings were observed at any of the borehole locations during the drilling activities.

4.4 Hydrogeology

Ground water is the primary source of potable water in the region and is considered a sole-source aquifer (Reference 6 Section 5). This source occurs in a wedged-shaped accumulation of unconsolidated sediments of Pleistocene and Upper Cretaceous age and overlies nearly impermeable bedrock, which consists of schists and gneisses.

The Cretaceous fluvial and deltaic deposits rest directly upon the clay-like weathered surface of Precambrian bedrock, and are divided into the Raritan Formation and the overlying Magothy Formation. The Raritan Formation is composed of a lower sand member (Lloyd Sand Member) and a clay member, both of which are widely distributed on Long Island. The upper surface of the Lloyd sand member ranges from 200 to 900 feet below sea level and dips approximately 60 feet per mile to the southeast. The Lloyd sand member also ranges in thickness from 200 to 250 feet thick in most areas.

The clay member of the Raritan Formation serves as an effective confining unit for the Lloyd Sand Member. The top of the clay member ranges in depth from 70 to 700 feet below sea level and ranges from 0 to 200 feet thick averaging 150 feet in thickness.

The clay member also generally runs parallel to the underlying Lloyd Sand.

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The Magothy Formation lies unconformably above the Raritan clay member and consists of a great thickness of alternating fine sands, clays, silts, and some coarse beds of sand and gravel. The top of the formation ranges from approximately 100 feet below sea level to 200 feet above sea level and ranges in thickness from 0 to 800 feet.

The Pleistocene glacial deposits which constitute the Upper Glacial aquifer unconformably overlie an irregular Magothy surface eroded and scoured by glacial contact. These deposits consist of an assortment of sands, gravels, and clays. This assortment of materials lends to the creation of perched water conditions as well as free flow of water to the lower aquifers underlying the region. These deposits range from 0 to 200 feet in depth and 0 to 320 feet thick.

Water-level measurements taken at the Site on April 18, 1991 (Table 2) indicate that the ground water is approximately 50 feet below grade and generally flows to the southeast (Figure 3).

Soil samples were taken from the screened zone of each well and analyzed for grain size. The results indicate that the screened zone for each well is primarily composed of sand with gravel and traces of silt. Results of the grain size analysis tests are presented in Appendix E.

One rising head slug test was conducted in each of the six monitoring wells installed at the Site. The slug tests were performed in accordance with Roux Associates Standard Operating Procedures (SOPs). For this investigation, the purpose of conducting slug tests was to estimate the hydraulic conductivity of the unconfined aquifer, without performing a constant-rate (pumping) test. During each slug test, time versus drawdown data were measured and continually recorded using a HERMIT™ SE2000 Environmental Data Logger, In Situ Inc., Laramie, Wyoming.

Roux Associates attempted to analyze the slug test data (Appendix F, Figures 4 through 9) from the Site monitoring wells, but the data could not be analyzed for the following reasons.

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- Each of the six monitoring wells at the Site is screened within a prolific aquifer composed of medium to coarse sands and gravel. Even if the drawdown was sufficient to adequately stress the aquifer, prolific aquifers generally respond too quickly for slug tests to be performed, and slug-test data to be meaningful or analyzable.
- Each monitoring well installed at the Site has a casing diameter of 2 inches, with a borehole diameter of 10 inches. Since the borehole diameter is large in relation to the well diameter, a substantial amount of drawdown was needed to successfully stress the aquifer during a slug test. Due to the negligible maximum drawdown value (y_0) obtained during each slug test (Appendix F), it does not seem likely that the aquifer was affected by the stress (i.e., drawdown), and that all drawdown measured during each slug test took place within the gravel pack of each well.
- Although large slugs were used to displace water within each well (a 4-foot long slug was used in Wells MW-1 through MW-3, and an 8-foot long slug was used in Wells MW-4 through MW-6), not enough water could be displaced to impact the aquifer.

Thus any attempt to analyze the slug-test data would yield hydraulic conductivity (K) data characteristic of the gravel pack and not the aquifer formation.

According to published data, the average hydraulic conductivity (K) value for the upper glacial aquifer in southern Nassau County is 254 feet per day (ft/d), or 1,900 gallons per day per square foot (gpd/ft²). The average K value for the entire upper glacial aquifer is similar (227 ft/d, or 1,700 gpd/ft²). The average transmissivity (T) value for southern Nassau County is 12,700 ft²/d, or 95,000 gpd/ft. The published average T value for the entire upper glacial aquifer is 26,740 ft²/d, or 200,000 gpd/ft (Reference 5).

4.5 Ground-water Quality

Nine ground-water samples were collected from the six new monitoring wells installed at the site (MW-1 through MW-6) and two pre-existing wells on the Magnusonics property (MW-7 and MW-8). Note that no surveying information for these pre-existing wells was included in the scope of this investigation, therefore water elevations for MW-7 and MW-8 were not included on the ground-water elevation map, Figure 3. Sample MW-X was a blind duplicate of MW-6. The results of samples MW-6 and MW-X are comparable, which provides confidence in the analytical results. A summary of the analytical results can be found in Table 3. For evaluation, the analytical results were compared to the standards given in 6 NYCRR 703 tables (Appendix G).

SYL00114753

Several volatile organic compounds were detected at low levels in the monitoring wells sampled in and around the Site. Acetone, methylene chloride, and xylene were all detected in the trip blank provided by the laboratory. Acetone and methylene chloride are common laboratory contaminants used in the cleaning of sample bottles and laboratory equipment. The origin of the xylene detection is unknown, but is most likely the result of laboratory contamination, since it was detected at concentrations similar to that found in the trip blank.

Ground-water level measurements taken on March 26, 1991 indicate that monitoring well MW-6 did not straddle the water table at the time of sampling. The concentrations found in samples taken from MW-6 are still believed to be accurate since no free phase floating product was observed in MW-6 or any other monitoring wells related to the Site.

1,1-Dichloroethane and 1,2-dichloroethene were both detected above the standard in monitoring well MW-6. 1,1-Dichloroethane was detected at 6 micrograms per liter (ug/l), above the New York State ground-water standard of 5 ug/l. 1,2 Dichloroethene was detected at 14 ug/l, above the New York State ground-water standard of 10 ug/l. Since monitoring well MW-6 only receives ground water from small a portion of the Site (Figure 3), and these compounds have not been detected in monitoring well MW-5 which is downgradient of MW-6, and does not appear to represent a significant release from the Site.

Three of the volatile organic compounds detected were found below the contract required detection limit of 5 micrograms per liter (ug/l). Tetrachloroethene and 1,1,2,2-tetrachloroethane were both found in monitoring well MW-6, at an estimated concentration of 1 ug/l. Trichloroethene was found in monitoring wells MW-5 and MW-6 at an estimated concentration of 2 ug/l. One unknown compound was detected in well MW-4 at 5 ug/l, and one unknown compound was detected in MW-8 at 20 ug/l.

The volatile organic compounds detected at the Site are denser than water. Since this is true, deeper wells could yield new information, but this cannot be stated for certain.

One semi-volatile organic compound, bis(2-ethylhexyl)phthalate, was detected at low concentrations in monitoring wells MW-1, MW-3, MW-6, and the trip blank. Bis(2-ethylhexyl)phthalate is a common laboratory contaminant. Several tentatively identified

compounds (TIC's) were also detected in monitoring wells MW-1, MW-4, MW-6, MW-7, and MW-8.

No pesticides or PCB's were detected in any of the monitoring wells sampled at the Site.

A number of metals were found at concentrations above their respective detection limits in the monitoring wells sampled for the Site. Lead was detected above the New York State Ground-Water standard of 25 ug/l in two of the wells, MW-6 and MW-8, at 71.6 ug/l and 86.6 ug/l, respectively. Lead was also detected above the detection limit of 5 ug/l in the remaining wells, MW-1, MW-2, MW-3, MW-4, MW-5, and MW-7, at 17.9 ug/l, 9.8 ug/l, 23.6 ug/l, 8.3 ug/l, 20.9 ug/l, and 11.1 ug/l, respectively.

Cadmium was detected above the New York State Ground-Water standard of 10 ug/l in MW-8 at 16 ug/l. It was also detected in MW-1, MW-4, MW-5 and MW-7 at 2 ug/l, 4 ug/l, 2 ug/l and 2 ug/l, respectively. Chromium was detected at the New York State Ground-Water standard of 50 ug/l in MW-3, and in MW-1, MW-4, MW-5, MW-6, MW-7 and MW-8 at 30 ug/l, 20 ug/l, 30 ug/l, 20 ug/l, 10 ug/l and 20 ug/l, respectively.

Aluminum, calcium, iron, magnesium, manganese, potassium, and sodium (all of which are common elements in ground water) showed high concentrations in relation to New York State Ground-Water Standards.

The frequency and consistency with which metals are detected above and below the ground-water standards can be attributed to the slightly lower than normal pH found in ground water at the Site. This slightly acidic condition results in dissolving metals into the ground water more readily than under balanced pH conditions.

4.6 Summary and Conclusions

In reviewing all of the ground-water quality data, it is apparent that the water quality in the upgradient wells (MW-1 and MW-6) is not significantly different from the water quality in the downgradient wells (MW-2 through MW-5) in terms of HRS scoring. If the constituents detected were the results of hazardous waste disposal, the levels would be expected to be considerably higher in all of the wells. However, since there is a record of hazardous

substances being deposited at the Site, it is suggested that this round of water sampling be augmented by a second round of sampling. This monitoring may be continued for an unspecified period of time to determine if this deposition may affect the Site ground-water quality in the future. In addition, filtering the samples for metals analysis would provide more accurate results because there would not be interference with high suspended solids content.

SYL00114756

Table 1. Monitoring Well Construction Details, AGO Associates, Hicksville, New York.

Well Number	Bottom of Boring (ft below land surface)	Screened Zone (ft below land surface)	Elevation of Measuring Point (ft relative to a common datum)	Height of Measuring Point (ft)*	Land Surface Elevation (ft relative to a common datum)	Well Diameter (inches)
MW-1	60.00	48.70 - 58.70	74.11	-0.45	74.56	2
MW-2	70.00	56.25 - 66.25	82.84	2.24	80.60	2
MW-3	70.00	57.46 - 67.49	82.83	2.53	80.30	2
MW-4	65.00	49.45 - 59.45	73.66	-0.41	74.07	2
MW-5	65.00	49.82 - 59.82	76.58	2.68	73.90	2
MW-6	65.00	52.55 - 62.55	77.33	-0.25	77.58	2

* - Measurement from land surface to measuring point.

NOTE: All measurements are taken from a common datum in an arbitrary system.

SYL00114757

GH07710Y

Table 2. Water Level Measurements Taken on March 11, 1991 and April 18, 1991, AGO Associates, Hicksville, New York.

Well Number	March 11, 1991			April 18, 1991		
	Elevation of Measuring Point (ft relative to a common datum)	Depth to Water (ft below measuring point)	Elevation of Water Table (ft relative to a common datum)	Depth to Water (ft below measuring point)	Elevation of Water Table (ft relative to a common datum)	Change (ft) March 11 - April 18, 1991
MW-1	74.11	48.90	25.21	50.04	24.07	-1.14
MW-2	82.84	60.41	22.43	59.92	22.92	+0.49
MW-3	82.83	60.09	22.74	60.19	23.04	-0.10
MW-4	73.66	50.76	22.90	51.24	22.42	-0.48
MW-5	76.58	54.50	22.08	54.50	22.08	0.00
MW-6	77.33	53.77	23.56	54.22	23.11	-0.45

NOTE: All elevations are taken from a common datum in an arbitrary system.

SYL00114758

GH07710Y

Table 3. Summary of Ground-Water Analytical Data for Samples Collected on March 26 and 27, 1991, AGO Associates, Hicksville, New York.

Well Designation:	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-X*	MW-7	MW-8	6 NYCRR 703 Ground-Water Standard (unless otherwise specified)
(All sample concentrations in ug/L)										
<u>VOLATILE ORGANIC COMPOUNDS***</u>										
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1 BJ	ND	ND	ND	5
1,1-Dichloroethane	ND	ND	ND	ND	ND	6	6	ND	ND	5
1,2-Dichloroethene (Total)	ND	ND	ND	ND	ND	14	15	ND	ND	5
Acetone	ND	ND	6 J	ND	ND	ND	ND	ND	4 BJ	5
Methylene chloride	2 BJ	2 BJ	2 BJ	2 BJ	ND	ND	ND	ND	ND	5
Tetrachloroethene	ND	ND	ND	ND	ND	1 J	1 J	ND	ND	5
Trichloroethene	ND	ND	ND	ND	2 J	2 J	2 J	ND	ND	5
Xylene (Total)	ND	ND	ND	ND	ND	ND	ND	ND	1 BJ	5
<u>Tentatively Identified Compounds**</u>										
Unknown	ND	ND	ND	5	ND	ND	ND	ND	20	
<u>SEMIVOLATILE ORGANIC COMPOUNDS***</u>										
bis (2-Ethylhexyl) phthalate	4 BJ	ND	21 B	ND	ND	ND	22 B	ND	ND	4,200
<u>Tentatively Identified Compounds**</u>										
Unknown alcohol	20	ND	ND	ND	ND	10	ND	ND	ND	
Unknown alcohol	20	ND	ND	ND	ND	ND	ND	ND	ND	
Unknown alcohol	20	ND	ND	ND	ND	ND	ND	10	ND	
Unknown	ND	ND	ND	80	ND	10	10	70	100	
Unknown	ND	ND	ND	ND	ND	60	10	ND	ND	
Unknown	ND	ND	ND	ND	ND	60	60	ND	ND	
Unknown	ND	ND	ND	ND	ND	ND	60	ND	ND	
<u>PESTICIDES AND PCBs</u>										
	ND	ND	ND	ND	ND	ND	ND	ND	ND	

* - Duplicate of MW-6
 ** - Estimated concentration
 *** - Compounds not detected are not listed.
 ND - Not detected
 B - Found in Field Blank
 J - Value is less than contract detection limit but greater than instrument detection limit.
 NS - No standard

SYL00114759

GH07710Y

Table 3. Summary of Ground-Water Analytical Data for Samples Collected on March 26 and 27, 1991, AGO Associates, Hicksville, New York.

Well Designation:	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-X*	MW-7	MW-8	6 NYCRR 703 Ground-Water Standard (unless otherwise specified)
(All sample concentrations in ug/L)										
<u>METALS***</u>										
Aluminum	23900	6120	41700	16500	36000	25400	116000	313	7810	NS
Antimony	ND	ND	ND	ND	70.7	ND	39.4 K	ND	ND	NS
Arsenic	8.2 K	ND	6.8 K	ND	5.4 K	3.4 K	8.6 K	ND	23.4	25
Barium	434	71.7 K	269	281	342	421	1060	67.9 K	180 K	1000
Beryllium	1.5 K	ND	4.0 K	2.4 K	2.6 K	2.7	6.3	ND	1.2 K	NS
Cadmium	2.0 K	ND	ND	4.0 K	2.0 K	ND	5.0	2.0 K	16	10
Calcium	34500	28400	97300	80800	59200	82700	81600	25000	52400	NS
Chromium	30	ND	50	20	30	20	90	10	20	50
Cobalt	22.1 K	ND	21.4 K	15.8 K	22.8 K	59.7	92.6	ND	ND	NS
Copper	49.6	28.4	65.4	53.4	40.7	107	138	111	127	200
Iron	35400	7770	70400	12600	28400	48000	108000	950	24900	300
Lead	17.9	9.8	23.6	8.3	20.9	71.6	209	11.1	86.6	25
Magnesium	7040	2590 K	22000	17300	7870	23000	25900	4770 K	22000	NS
Manganese	753	147	1840	2320	2040	14900	14800	425	4500	300
Mercury	ND	ND	ND	ND	ND	0.20	0.80	ND	ND	2
Nickel	28.3 K	ND	21 K	ND	19.7	72.3	121	ND	35.8 K	NS
Potassium	7040	3970 K	15800	10900	14200	8260	11800	4060	104000	NS
Selenium	0.90 K	ND	0.50 K	3.5 K	0.55 K	ND	0.90 K	0.50 K	0.50 K	10
Sodium	167000	17100	44900	33600	44100	21900	21700	16600	68800	NS
Vanadium	37.6 K	ND	56.2	18.3	42 K	34.1 K	118	ND	21 K	NS
Zinc	74.9	34.9	79.4	37.4	46.7	196	326	85.2	138	300
<u>PHYSICAL PARAMETERS</u>										
COD (mg/L)	210	25	60	50	50	60	50	60	80	
Specific Conductance (umhos)	1530	272	883	803	681	790	744	769	1150	
pH (units)	6.2	6.3	6.9	6.6	6.7	6.4	6.3	8.4	7.2	
Suspended Solids (mg/L)	1050	4240	610	408	961	2110	2360	79	211	
Total Dissolved Solids (mg/L)	815	150	497	451	388	493	420	402	659	

* - Duplicate of MW-6

** - Estimated concentration

*** - Compounds not detected are not listed.

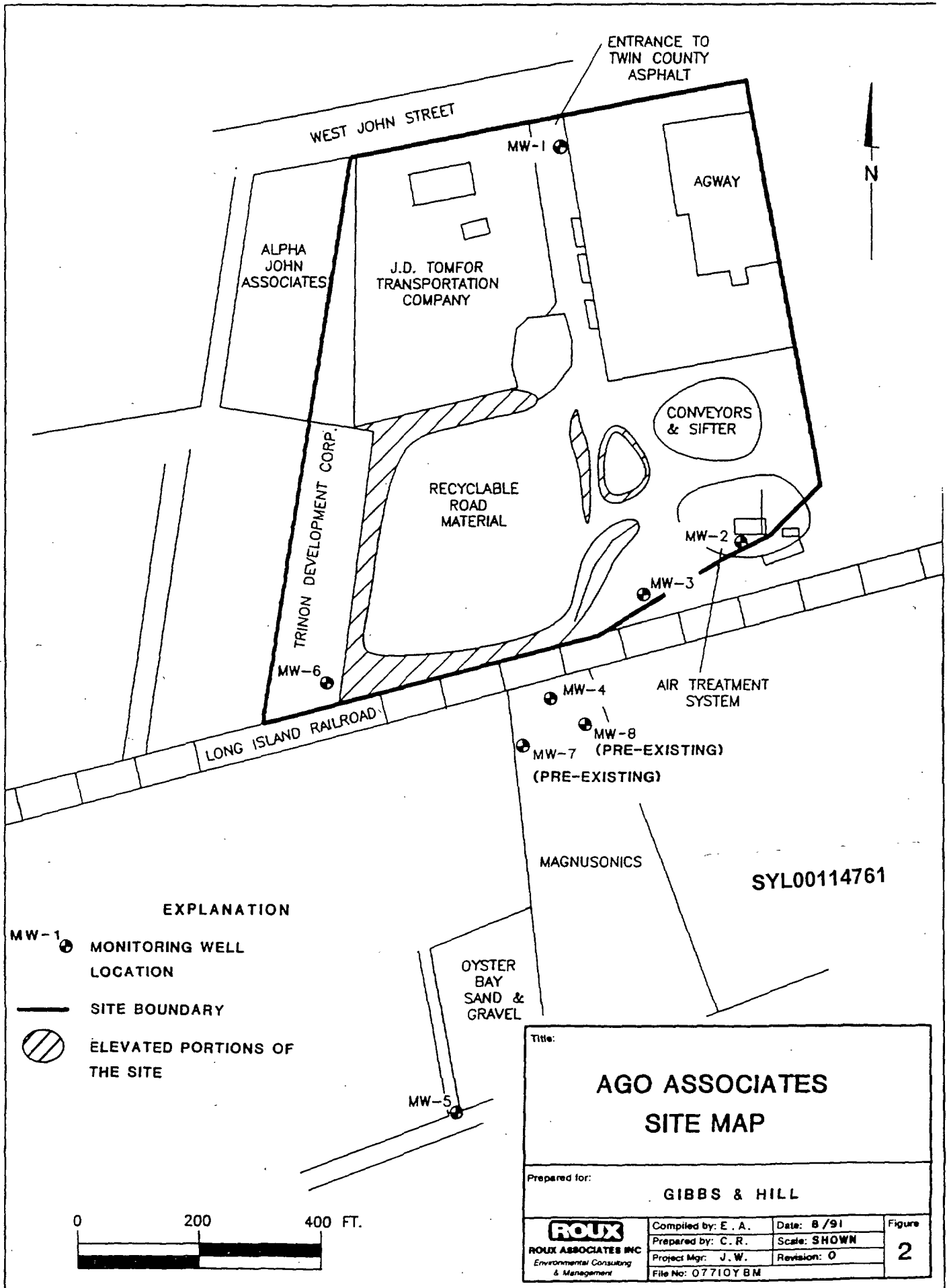
ND - Not detected

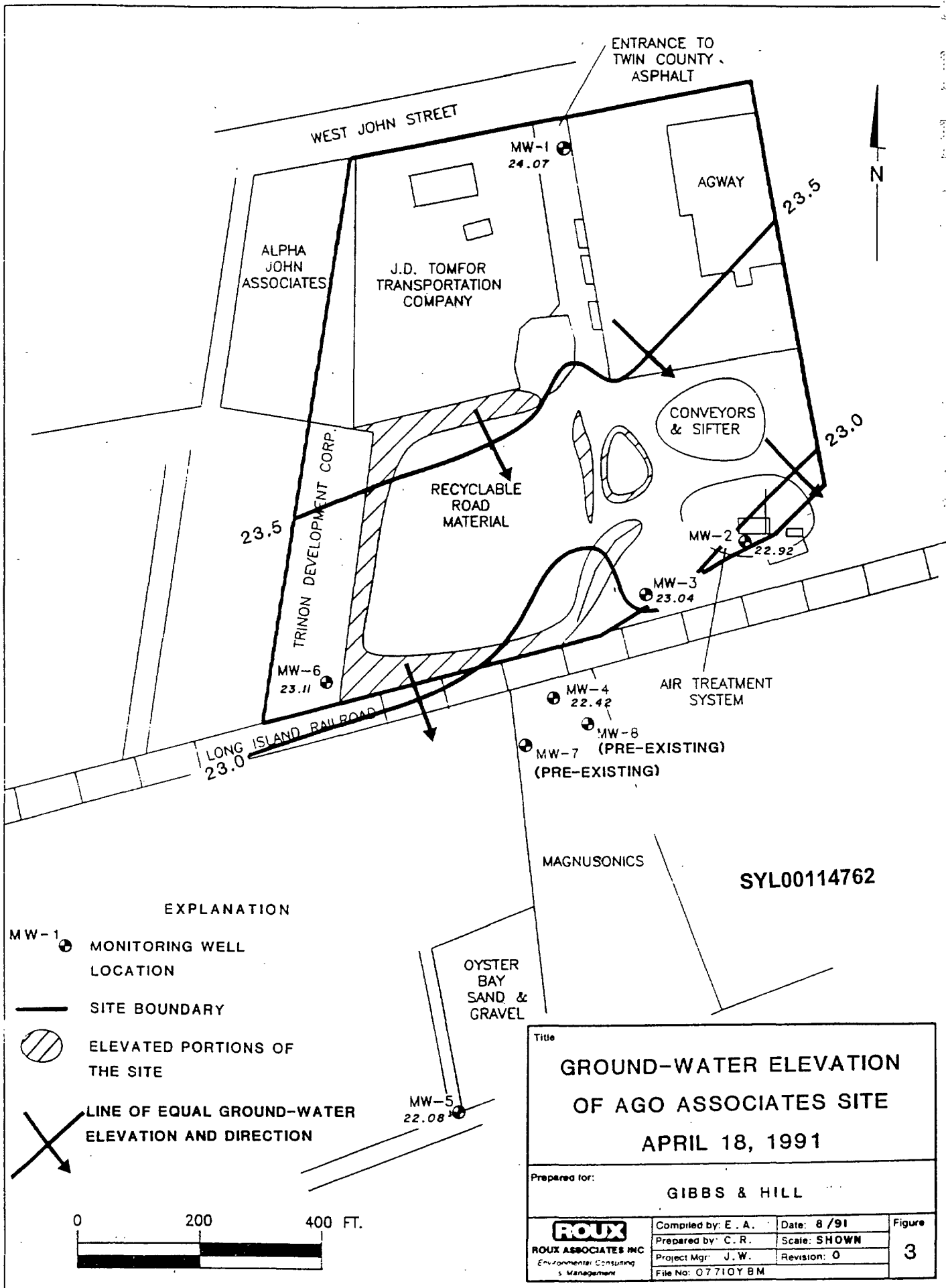
B - Found in Field Blank

K - Value is less than specified quantitation limit but greater than zero.

NS - No standard

SYL00114760





4.7 Site Assessment References

- 1) Swedalla, T., 1989. Interview Record with YEC, Inc., August 2, 1989.
- 2) Spettman, W.H., 1989. Interview Record with YEC, Inc., August 2, 1989.
- 3) Del Rosso, K., 1989. Interview Record with YEC, Inc., July 28, 1989.
- 4) Aiken, D., 1974. NCDOH Site Inspection Reports.
- 5) NYSDEC Site Inspection Reports of the AGO Associates Site from October, 1978 to December, 1979 (Source: NYSDEC Bureau of Municipal Wastes, Albany, New York).
- 6) NYSDEC Soil Sampling Results and Related Memorandum from Robert Olazagasti (New York State Department of Environmental Conservation) to John Rankin, February 9, 1988, (Source: NYSDEC Division of Solid Waste, Stony Brook, New York).
- 7) McClymonds, N.E., 1972, and O.L. Franke, 1972. Water-Transmitting Properties of Aquifers on Long Island, New York (Roux Associates, Inc. files).

SYL00114763

5.0 FINAL APPLICATION OF HAZARD RANKING SYSTEM

5.1 Introduction

The Hazard Ranking System has been applied incorporating the new data obtained during the Phase II investigation. The final scores calculated are:

Sm = No Score

Sgw = No Score

Ssw = 0

Sa = 0

Sfe = Not Scored

Sdc = 0

The purpose of the HRS scoring is to rank the Site in comparison to other New York State Superfund sites, on a list of priorities, and/or to classify the Site.

SYL00114764

5.2 HRS Work Sheets

Facility name: AGO Associates

Location: Hicksville, Nassau County, New York

EPA Region: II

Person(s) in charge of the facility: Frank Lizza

Twin County Recycling Corp.

499 West John St., Hicksville, New York 11801

Name of Reviewer: Eric Arnesen

Date: 6/91

General description of the facility:

(For example: landfill; surface impoundment; pile; container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action, etc.)

The Site is a former landfill ~14.4 acres with the property divided into five separate commercial properties. The Site is located on West Johns Street in Hicksville, New York. The landfill was inspected monthly by the NCDOH, which discovered illegally stored drums containing industrial solvents. Other violations included improper spreading and compaction of refuse, smoldering fires, and rodent infestation. In 1976 the Town of Oyster Bay charged AGO Associates with illegal salvage operations and storage of heavy equipment at the Site. The landfill was closed in January of 1979.

Scores: $S_M = NS$ ($S_{GW} = NS$ $S_{SW} = 0$ $S_A = 0$)

$S_{PE} = \text{Not Scored}$

$S_{DC} = 0$

Note: $NS = \text{No Score}$

SYL00114765

The Ground Water Route cannot be scored since the toxicity/persistence of the hazardous waste cannot be determined. This is because there is no analytical data to determine the wastes composition.

Ground Water Route Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)	
1 Observed Release	0 45	1	0	45	3.1	
If observed release is given a score of 45, proceed to line 4. If observed release is given a score of 0, proceed to line 2.						
2 Route Characteristics					3.2	
Depth to Aquifer Concern	0 1 2 3	2	6	6		
Net Precipitation	0 1 2 3	1	2	3		
Permeability of the Unsaturated Zone	0 1 2 3	1	3	3		
Physical State	0 1 2 3	1	3	3		
Total Route Characteristics Score			14	15		
3 Containment	0 1 2 3	1	3	3	3.3	
4 Waste Characteristics					3.4	
Toxicity/Persistence	0 3 6 9 12 15 18	1	NS	18		
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	1	8		
Total Waste Characteristics Score			NS	26		
5 Targets					3.5	
Ground Water Use	0 1 2 3	3	9			
Distance to Nearest Well/Population Served	0 4 6 8 10 12 16 18 20 24 30 32 35 40	1	30			
Total Targets Score			39	49		
6	If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5		NS	57,330		
7	Divide line 6 by 57,330 and multiply by 100		$S_{GW} =$	NS		

SYL00114766

Surface Water Route Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)	
1 Observed Release	0 45	1	0	45	4.1	
If observed release is given a score of 45, proceed to line 4 . If observed release is given a score of 0, proceed to line 2 .						
2 Route Characteristics					4.2	
Facility Slope and Intervening Terrain	0 1 2 3	1	0	3		
1-yr. 24-hr. Rainfall	0 1 2 3	1	2	3		
Distance to Nearest Surface Water	0 1 2 3	2	0	6		
Physical State	0 1 2 3	1	3	3		
Total Route Characteristics Score			5	15		
3 Containment	0 1 2 3	1	3	3	4.3	
4 Waste Characteristics					4.4	
Toxicity/Persistence	0 3 6 9 12 15 18	1	NS	18		
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	1	8		
Total Waste Characteristics Score			NS	26		
5 Targets					4.5	
Surface Water Use	0 1 2 3	3	0	9		
Distance to a Sensitive Environment	0 1 2 3	2	0	6		
Population Served/ Distance To Water Intake Downstream	0 4 6 8 10 12 16 18 20 24 30 32 35 40	1	0	40		
Total Targets Score			0	55		
6	If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5		0	64,350		
7	Divide line 6 by 64,350 and multiply by 100		$S_{SW} =$	0		

SYL00114767

Air Route Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)	
1 Observed Release	0 45	1	0	45	5.1	
Date and Location:						
Sampling Protocol:						
If line 1 is 0, the $S_A = 0$. Enter on line 5. If line 1 is 45, then proceed to line 2.						
2 Waste Characteristics					5.2	
Reactivity and Incompatibility	0 1 2 3	1	NS	3		
Toxicity	0 1 2 3	3	NS	9		
Hazardous Waste Quantity	0 1 2 3 4 5 6 7	1	0	8		
Total Waste Characteristics Score			NS	20		
3 Targets					5.3	
Population Within 4-Mile Radius	0 9 12 15 18 21 24 27 30	1	24	30		
Distance to Sensitive Environment	0 1 2 3	2	0	6		
Land Use	0 1 2 3	1	3	3		
Total Targets Score			27	39		
4 Multiply 1 x 2 x 3			0	35,100		
5 Divide line 4 by 35,100 and multiply by 100			$S_A =$	0		

SYL00114768

	S	S ²
Groundwater Route Score (S _{gw})	NS	NS
Surface Water Route Score (S _{sw})	0	0
Air Route Score (S _a)	0	0
S ² _{gw} + S ² _{sw} + S ² _a	NS	NS
$\sqrt{S^2_{gw} + S^2_{sw} + S^2_a}$	NS	NS
$\sqrt{S^2_{gw} + S^2_{sw} + S^2_a} / 1.73 = S_M$	NS	NS

SYL00114769

S_{FE} is scored only if a Fire Marshall has certified the Site as a threat of fire or explosion due to hazardous wastes at the Site. Since this is not true, S_{FE} is not scored.

Fire and Explosion Work Sheet						
Rating Factor	Assigned Value (Circle One)		Multi- plier	Score	Max. Score	Ref. (Section)
1 Containment	1	3	1		3	7.1
2 Waste Characteristics						7.2
Direct Evidence	0	3	1		3	
Ignitibility	0	1 2 3	1		3	
Reactivity	0	1 2 3	1		3	
Incompatibility	0	1 2 3	1		3	
Hazardous Waste	0	1 2 3 4 5 6 7 8	1		8	
Total Waste Characteristics Score					20	
3 Targets						7.3
Distance to Nearest Population	0	1 2 3 4 5	1		5	
Distance to Nearest Building	0	1 2 3	1		3	
Distance to Sensitive Environment	0	1 2 3	1		3	
Land Use	0	1 2 3	1		3	
Population Within 2-Mile Radius	0	1 2 3 4 5	1		5	
Buildings Within	0	1 2 3 4 5	1		5	
Total Targets Score					24	
4 Multiply 1 x 2 x 3					1,440	
5 Divide line 4 by 1,440 and multiply by 100				S_{FE} = Not Scored		

SYL00114770

Direct Contact Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)	
1 Observed Release	0 45	1	0	45	8.1	
If line 1 is 45, proceed to line 4 . If line 1 is 0, proceed to line 2 .						
2 Accessibility	0 1 2 3	1	3	3	8.2	
3 Containment	0 15	1	0	15	8.3	
4 Waste Characteristics			NS		8.4	
Toxicity	0 1 2 3	5		15		
5 Targets					8.5	
Population Within a 1-Mile Radius	0 1 2 3 4 5	4	20	20		
Distance to a Critical Habitat	0 1 2 3	4	0	12		
Total Targets Score			20	32		
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			0	21,600		
7 Divide line 6 by 21,600 and multiply by 100			$S_{DC} =$	0		

SYL00114771

5.3 Documentation Records for Hazard Ranking System

INSTRUCTIONS: The purpose of these records is to provide a convenient way to prepare an auditable record of the data and documentation used to apply the Hazard Ranking System to a given facility. As briefly as possible, summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference that will make the document used for a given data point easier to find. Include the location of the document and consider appending a copy of the relevant page(s) for ease in review.

FACILITY NAME: AGO Associates

LOCATION: Hicksville, Nassau County, New York

DATE SCORED: June, 1991

PERSON SCORING: Eric Arnesen of Roux Associates, Inc.

PRIMARY SOURCE(S) OF INFORMATION: YEC, Inc. Phase I Report, NYSDEC Files, NCDOH Files, Roux Associates, Inc. Phase II Investigation

SYL00114772

GROUND WATER ROUTE

1. OBSERVED RELEASE

Contaminants detected (45 maximum):

None

Rationale for attributing the contaminants to the facility:

N/A

Assigned Value = 0

2. ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifer(s) of concern:

Upper Glacial and Magothy aquifers. The Upper Glacial and the Magothy aquifers are hydraulically connected. (Reference 1).

Depth(s) from the ground surface to the highest seasonal level of the saturated zone (water table(s)) of the aquifer of concern:

~55 feet (water level measurements, Table 2)

Depth from the ground surface to the lowest point of waste disposal/storage:

~45 feet (Reference 2)

~10 feet between waste and water table

Assigned Value = 3

Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal):

45 inches average annual (HRS Users Manual)

Mean annual lake or seasonal evaporation (list months for seasonal):

30 inches average annual (HRS Users Manual)

Net precipitation (subtract the above figures):

15 inches (Reference HRS Users Manual)

Assigned value = 2.

SYL00114773

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

Sand and gravel (Geologic Logs, Appendix C, and Geotechnical Testing Report for AGO Landfill, Appendix E).

Permeability associated with soil type:

Moderate to high (HRS Users Manual).

Greater than 10^{-3} cm/sec.

Assigned value = 3

Physical State

Physical state of substances at time of disposal (or at present for generated gases):

Liquid

Record from NCDOH that over 100 drums were located at the Site and contained industrial solvents, lacquers, and thinners.

Assigned value = 3

(Reference 3)

3. CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Landfill, no liner (Reference 4)

Method with highest score:

Landfill, no liner.

Assigned Value = 3

4. WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

Since possibly hazardous substances have been observed to have been deposited at the Site, but no analysis was done to determine their exact composition not enough information exists to properly score this section of the Ground Water Route sheet. (Reference 5) Also all drums were removed and any spillage cleaned up. Nothing relating to these substances was observed in ground water.

SYL00114774

Compound with highest score:

N/A

Assigned Value = NS

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (give a reasonable estimate even if quantity is above maximum):

~100 drums of possibly hazardous substances have been deposited at the Site. These were later removed as well as contaminated soils. However, the number of leaking drums is unknown but it is documented that some amount of minimal leaking has occurred.

Assigned value = 1
(Reference 3)

Basis of estimating and/or computing waste quantity:

~100 drums were observed at the Site. (Reference 3)

5. TARGETS

Ground Water Use

Use(s) of aquifer(s) of concern within a 3-mile radius of the facility:

The Upper Glacial and Magothy aquifers are designated sole source aquifers (Reference 6). Domestic and commercial/industrial uses.

Assigned value = 3

Distance to Nearest Well

Location of nearest well drawing from aquifer of concern or occupied building not served by a public water supply:

Hicksville water district plant. (Reference 7)

Distance to above well or buildings:

~1.21 miles. Assigned value = 2.

Population Served by Ground-Water Wells Within a 3-Mile Radius

Identified water-supply well(s) drawing from aquifer(s) of concern within a 3-mile radius and populations served by each:

SYL00114775

	<u>Population</u>
Jericho Water District -	67,000 served
Hicksville Water District -	47,810 served
Plainview Water District -	35,000 served
Levittown Water District -	48,749 served
Bowling Green Water District -	12,000 served
Westbury Water District -	20,050 served
Old Westbury Village Water District -	3,300 served

(Reference 8)

Population served by ground water:

Total of Population Served: 233,909 served Assigned value = 5 Matrix value = 30

Computation of land area irrigated by supply well(s) drawing from aquifers of concern within a 3-mils radius, and conversion to population (1.5 people per acre):

There are private wells used for irrigation. Most likely for the local golf course, but exact numbers are not provided. (Reference 9)

Total population served by ground water within a 3-mile radius:

233,909 served

Assigned Value = 5

SYL00114776

SURFACE WATER ROUTE

1. OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

None. There are no surface water bodies within a 3-mile radius of the Site.

Assigned Value = 0

Rationale for attributing the contaminants to the facility:

N/A

2. ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility and intervening terrain in percent:

0-2% (Reference 10)

Assigned Value = 0

Name/description of nearest downslope surface water:

N/A

Is the facility located either totally or partially in surface water?

No.

Is the facility completely surrounded by areas of higher elevation?

No. (Reference 11)

1-Year, 24-Hour Rainfall in Inches

2.7 inches (HRS Scoring Manual)

Assigned value = 2

Distance to Nearest Downslope Surface Water

N/A there is not downslope surface water within 3-mile radius (Reference 11)

Assigned Value = 0

Physical State of Waste

Liquid (Reference 3)

Assigned Value = 3

SYL00114777

3. CONTAINMENT

Method(s) of waste or leachate containment evaluated:

Landfill and containers

Method with highest score:

Containers, spillage assumed to have occurred from leaking drums. (Reference 3)
Assigned Value = 3

4. WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

No score (NS)

Since possibly hazardous substances have been observed to have been deposited at the Site, but no analysis was done to determine their exact composition not enough information exists to properly score this section of the Surface Water Route sheet. (Reference 5)

Compound with highest score:

N/A

Assigned Value = NS

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (give a reasonable estimate even if quantity is above maximum:

~100 drums of possibly hazardous substances have been deposited at the Site. These were later removed as well as contaminated soils. The exact number of leaking drums is unknown, but some minimal leaking has been documented to have occurred.

Assigned value = 1
(Reference 3)

Basis of estimating and/or computing waste quantity:

~100 drums were observed at the Site. (Reference 3)

SYL00114778

5. TARGETS

Surface Water Use

Use(s) of surface water within 3 miles downstream of the hazardous substance:

None. No surface water bodies downslope of Site. (Reference 11)

Assigned value = 0

Is there a tidal influence?

N/A

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

The Site is in central Nassau County and is over 3-miles from the north and south shorelines. (Reference 12).

Assigned value = 0

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

None

Reference 12.

Assigned value = 0

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:

None. The ones identified are not within a one-mile radius. (Reference 13).

Assigned value = 0

Populations Served by Surface Water

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

None.

Reference 11.

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):

Land area irrigated by surface water intake(s):

N/A

SYL00114779

Total Population served:

N/A

Name/description of nearest of above water bodies:

N/A

Distance to surface water intakes:

N/A

SYL00114780

AIR ROUTE

1. OBSERVED RELEASE

Contaminants detected:

None

Date and location of detection of contaminants:

N/A

Methods used to detect the contaminants:

N/A

Rationale for attributing the contaminants to the site:

N/A

2. WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

Not known.

Most incompatible pair of compounds:

Not known.

Assigned Value = NS

Toxicity

Most toxic compound:

Not known.

Assigned Value = NS

Hazardous Waste Quantity

Total quantity of hazardous waste:

~100 drums

SYL00114781

Basis of estimating and/or computing waste quantity:

Evidence of ~100 drums at the Site (Reference 3)

Assigned Value = 2

3. TARGETS

Population Within 4-Mile Radius

Give radius used, give population, and indicate how determined:

Population with a 1 mile radius ~16,000 (Reference 15)

Assigned Value = 24

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland:

None. (Reference 12)

Distance to a 5-acre (minimum) freshwater wetland:

None. (Reference 13)

Distance to critical habitat of an endangered species: N/A

None. (Reference 14)

Assigned Value = 0

Land Use

Distance to commercial/industrial area, if 1 mile or less:

0 miles. The Site is in a highly commercial and industrial area (Reference 1)

Assigned Value = 3

Distance to national or state park, forest, wildlife reserve:

None

Assigned Value = 0

Distance to residential area, if 2 miles or less:

South of the Site ~ 0.25 miles away

Distance to agricultural land in production within past 5 years, if 1 mile or less:

None

SYL00114782

Assigned value = 0

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

None

Assigned value = 0

Is a historic or landmark site (National Register of Historic Places and National Natural Landmarks) within the view of the site?

None (Reference 14)

Assigned value = 0

SYL00114783

FIRE AND EXPLOSION

The local Fire Marshal has declared that the Site does not pose a threat of fire or explosion, and therefore this route (S_{FE}) is not scored (Reference 16).

1. CONTAINMENT

Hazardous substances present:

Type of containment, if applicable:

2. WASTE CHARACTERISTICS

Direct Evidence

Type of instrument and measurements:

Ignitibility

Compound used:

Reactivity

Incompatibility

Incompatible pair of compounds:

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility:

Basis of estimating and/or computing waste quantity:

4. TARGETS

Distance to Nearest Population

SYL00114784

Distance to Nearest Building

Distance to Sensitive Environment

Distance to wetlands:

Distance to critical habitat:

Land Use

Distance to commercial/industrial area, if 1 miles or less:

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

Distance to residential area, if 2 miles or less:

Distance to agricultural land in production within past 5 years, if 1 mile or less:

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?

Population Within 2-Mile Radius

Buildings Within 2-Mile Radius

SYL00114785

DIRECT CONTACT

1. OBSERVED INCIDENT

Date, location, and pertinent details of incident:

None

Assigned value = 0

2. ACCESSIBILITY

Describe type(s) of barrier(s):

Area is fenced except for the southern boundary bordering the Long Island Rail Road
Assigned value = 3 (Reference 10)

3. CONTAINMENT

Type of Containment:

Drum scattered around Site and leaking but have since been removed with contaminated soil. (Reference 3)
Assigned value = 0

4. WASTE CHARACTERISTICS

Toxicity

The composition of possibly hazardous substances is unknown since no analytical testing has been performed (Reference 15).

Compound with highest score:

Not known.

Assigned Value = 0

5. TARGETS

Population within one-mile radius

~16,000

(Reference 15)

Assigned value = 5

SYL00114786

Distance to critical habitat (of endangered species)

None.

(Reference 14)

Assigned value = 0

SYL00114787

5.4 HRS Documentation References

- (1) Isbister, J. 1966 Geology and Hydrology of Northeastern Nassau County, Long Island, New York. USGS Water-Supply Paper 1825 (Location: Roux Associates, Inc. Files).
- (2) Andromidas, C.J., 1989. Interview record with YEC, Inc., July 27, 1989 (Attached).
- (3) Aiken, D. 1974. NCDOH Site Inspection Reports (Attached).
- (4) NCDOH and NYSDOH, Bureau of Toxic Substance Assessment, Hazardous Waste Site Inspection Report for A.G.O. Associates, March 24, 1987 (Location: NYSDOH Files).
- (5) Juczak, S. 1989., Interview of Stanley Juczak of NCDOH by YEC, Inc. Personnel (Attached).
- (6) USEPA, 1990. Fact Sheet, Sole-Source Aquifers in Region II (Attached).
- (7) Hicksville Water District, January, 1978 Hicksville Water District Plan of Distribution (Location: Roux Associates Files).
- (8) NCDOH, 1990. Listing of Wells and Populations served within a three mile radius of the A.G.O. Site. (Attached).
- (9) Myott, D.H., 1989, Letter to Marie F. McDonnel of Yec, Inc. Regarding Ground-Water Supply wells in the region of the A.G.O. Landfill Site. (Attached).
- (10) YEC, Inc., 1989. Site Inspection Report February 3, 1989 (Attached).
- (11) USGS Freeport and Hicksville Topographic 7.5 Minute Quadrangle (Attached).
- (12) Rand McNally Road Atlas, 1986, Southern New York Region (Attached).
- (13) Buffington, B. 1990. Letter to Eric Arnesen of Roux Associates, Inc. regarding endangered species in the region of the A.G.O. Landfill Site (Location: NYSDEC Files).
- (14) Long Island Regional Planning Board, 1980. Census Tract for Nassau and Suffolk Counties, 1980. (Attached).
- (15) Dvirka and Bartilucci, 1986. Investigation of Contaminated Aquifer, Segments, Nassau County, New York. (Attached).
- (16) Magee, R.A., 1991. Nassau County Fire Commission, Office of the Fire Marshall, Fire Marshall's Report Update, June 10, 1991 (Attached).
- (17) McClymonds, N.E. and O.L. Franke, 1972. Water-Transmitting Properties of Aquifers on Long Island, New York (Location: Roux Associates, Inc. Files).

REFERENCE 1

Geology and Hydrology of Northwestern Nassau County
Long Island, New York USGS Water-Supply Paper 1825
(Location: Roux Associates, Inc. Files)

SYL00114789

REFERENCE 2

SYL00114790

INTERVIEW ACKNOWLEDGEMENT FORM

SITE NAME: A.G.O. Associates Landfill

I.D. NUMBER: 130029

PERSON

DATE: July 27, 1989

CONTACTED: Charles J. Andromidas

PHONE NUMBER: (516) 867-8445

AFFILIATION: Councillor at Law

Partner in the former A.G.O
Associates

CONTACT

PERSON(S): Marie Mc Donnell

ADDRESS: Freeport, New York

742 Lakeside Drive
North Palm Beach
Florida 33408

TYPE OF CONTACT: Telephone

REFERRED BY: New York Telephone
Directory.

INTERVIEW SUMMARY

The A.G.O. Associates was a partnership formed by Mr. Andromidas, Morris & ~~John~~ ^{Allen} Green (Green & Green) and Jimmy O' Connell. Sometime around 1962-1963, A.G.O. Associates purchased approximately 15 acres just south of West John Street in Hicksville, New York. The property was previously used for sand mining operations. The previous owners were unknown. A sand pit occupied approximately 2/3 of the property and had been mined out down to the water table which was thought to be approximately 35-45 feet below grade. The other 1/3 of the property area towards the front, rear and sides was at grade elevation.

A.G.O. Associates landfilled construction and demolition material into the pre-existing sand pit. Mr. Andromidas had no recollection of any drums been found at the facility at any time. The facility was used for landfilling purposes only. There were plans to turn part of the facility into a golf driving range and they had also secured a permit for an oil depot which never materialized.

Mr. Andromidas estimated that approximately 12 years ago, a portion of the property was sold to Agway, Inc.. Approximately 2 years later, the remaining portions of the property were sold to the Lizzas (Twin County Asphalt). Prior to the sale of the property, the facility had already been graded to current elevation.

SYL00114791

ACKNOWLEDGEMENT:

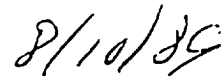
I have read the above transcript and I agree that it is an accurate summary of the information verbally conveyed to the YEC, Inc. interviewer (as revised below, if necessary).

Revisions (please write in any corrections needed to the above transcript)

Signature:



Date:



REFERENCE 3

SYL00114793

REFUSE DISPOSAL AND INSPECTION REPORT

Page 1

Name of Site A.G.O. LANDFILL	Location (Town, Vlg, City) OSTER BAY	Site No. Col 1-3 222	Report No. Col 4-6 72
Operator BILL FORTNEY	Address W. JOHN ST., HICKSVILLE		
Owner	Address		
Person Interviewed MR. FORTNEY	Date Col 7-12 05/23/74	Time Col 13-16 1100	
Inspected By (Signature) <i>Donald Pittman, Jr.</i>	Employee No. Col 17-19 60		
WEATHER CONDITIONS (Yes=1, No=2)	20 1 Rainy	22 2 Windy	24 2 Cold
	21 2 Fair	23 1 Calm	25 1 Mild
CONTROL OF SITE (Yes=1, No=2)	26 1 Signs	28 1 Supervision	
	27 1 Fence & Gate	29 2 None	
EQUIPMENT AT SITE	30 1 Bulldozers	34 0 Drag Lines	
	31 1 Payloaders	35 0 Graders	
(Write in Quantity Being Used)	32 0 Scrapers	36 0 Other Types	
	33 0 Compactors	37 0 Fill Trucks	
TYPE OF REFUSE DISPOSED (Yes=1, No=2)	38 2 Residential	41 1 Demolition	
	39 2 Commercial	42 2 Agricultural	
	40 2 Industrial	43 2 Scavenger	
	45 2 1. Burning at Time of Inspection		
	46 2 2. Evidence of On-site Burning		
	47 2 3. Dumping into Water		
	48 2 4. Leachate Observed at the Site		
	49 3 5. Leaching into a Water Course		
EXPLAIN YES ANSWERS ON REVERSE SIDE (Yes=1, No=2, N/A=3)	50 2 6. Refuse not Confined to a Manageable Area		
	51 2 7. Unsatisfactory Daily Soil Cover		
	52 2 8. Refuse Protruding through Completed Areas		
	53 2 9. Improper Spreading and Compaction of the Refuse		
	54 2 10. Pooling of Water, Cover Soil Cracking, Soil Erosion, or Improper Slo		
	55 2 11. Evidence of Rodents and Insects		
	56 2 12. Blowing Paper Problem		
	57 2 13. Salvaging of Refuse Creating a Nuisance		
	58 2 14. Approach Road Impassable to Vehicular Traffic During Part of the		
Violations Found	59-60 0 0	Violations Corrected	61-62 0
Incinerator	64 2	Violation Notice Issued (Yes=1, No=2)	63
(Yes=1, No=2) Furnaces Available	65	Stack Effluent (Ringlemen No)	67
Furnaces on Line	66	Wind Direction	68-70 C L

Question
No

Explanation of Yes Answers

Page 2

A.G.O. Landfill, Hicksville

May 24, 1974

On May 23, 1974, the writer inspected the above site. Mr. Portney was interviewed.

A noticeable improvement was observed in that many of the smaller dumping sites (wood debris is separate from demolition) have been covered over with fill and leveled.

Although a considerable amount of salvaged metals remain at the site, Mr. Portney maintains that he sends out several truckloads of ferrous metals at least twice a week.

Donald Aitken, Jr.

Donald Aitken, Jr.

DA:tp

Refuse Site Sketch

Location Sketch

SYL00114795

Name of Site A.G.O.	Location (Town, Vlg, City) ON STER BAY	Site No. Col 1-3 222	Report No. Col 4-6 84
Operator BILL FORTNEY	Address HICKSVILLE		
Owner	Address		
Person Interviewed MR. FORTNEY	Date Col 7-12 100274	Time Col 13-16 110	
Inspected By (Signature) Donald Wilson (and Mrs. Juegar)	Employee No Col 17-19 60		
WEATHER CONDITIONS (Yes=1, No=2)	20 2 Rainy	22 2 Windy	24 1 Cold
	21 1 Fair	23 1 Calm	25 2 Mild
CONTROL OF SITE (Yes =1, No=2)	26 1 Signs	28 1 Supervision	
	27 1 Fence & Gate	29 2 None	
EQUIPMENT AT SITE	30 2 Bulldozers	34 0 Drag Lines	
(Write in Quantity Being Used)	31 1 Payloaders	35 0 Graders	
	32 0 Scrapers	36 0 Other Types	
	33 0 Compactors	37 0 Fill Trucks	
TYPE OF REFUSE DISPOSED (Yes=1, No=2)	38 2 Residential	41 1 Demolition	
	39 2 Commercial	42 2 Agricultural	
	40 1 Industrial	43 2 Scavenger	
	45 2 1. Burning at Time of Inspection		
	46 2 2. Evidence of On-site Burning		
	47 2 3. Dumping into Water		
	48 2 4. Leachate Observed at the Site		
	49 2 5. Leaching into a Water Course		
EXPLAIN YES ANSWERS ON REVERSE SIDE	50 2 6. Refuse not Confined to a Manageable Area		
(Yes=1, No=2, N/A=3)	51 2 7. Unsatisfactory Daily Soil Cover		
	52 2 8. Refuse Protruding through Completed Areas		
	53 2 9. Improper Spreading and Compaction of the Refuse		
	54 2 10. Pooling of Water, Cover Soil Cracking, Soil Erosion, or Improper Slope		
	55 2 11. Evidence of Rodents and Insects		
	56 2 12. Blowing Paper Problem		
	57 1 13. Salvaging of Refuse Creating a Nuisance		
	58 2 14. Approach Road Impassable to Vehicular Traffic During Part of the		
Violations Found	59-60 0	Violations Corrected	61-62 0
(Yes=1, No=2)	Incinerator 64 2	Violation Notice Issued (Yes=1, No=2)	63 2
	Furnaces Available 65	Stack Effluent (Ringmen No)	67
	Furnaces on Line 66	Wind Direction	68-70 5

tion
No

Explanation of Yes Answers

A.G.O. Landfill, Hicksville, N.Y.

October 15, 1974

On October 2, 1974, Mr. Juczac, accompanied by writer, inspected the above site. The Foreman, Mr. Bill Portney, was interviewed.

He reported that he has salvage rights for the old cement plant structure due east of his property and will begin working on it as soon as operations cease.

Writer accompanied Mr. Juczac on a tour of the site. Aside from finding too many "working areas" we found several dozen, or more, 55-gallon drums of industrial solvents, laquers and paint. Mr. Portney was told to rid the area of these hazards to ground water as soon as possible. A re-inspection to assure compliance was scheduled for early the following week.

Donald Aitken, Jr.
Donald Aitken, Jr.

DA:

Refuse Site Sketch

Location Sketch

SYL00114797

REFUSE DISPOSAL AND INSPECTION REPORT

Page 50

Name of Site A. G. O.	Location (Town, Vlg, City) ONSTER BAY	Site No. Col 1-3 222	Report No. Col 4-6 84
Operator BILL PORTNEY	Address HICKSVILLE		
Owner	Address		
Person Interviewed MR. PORTNEY	Date Col 7-12 1 0 0 7 7 4	Time Col 13-16 1 2 0	
Inspected By (Signature) Donald L. Kirk, JR.	Employee No. Col 17-19 60		
WEATHER CONDITIONS (Yes=1, No=2)	20 2 Rainy	22 2 Windy	24 2 Cold
	21 1 Fair	23 1 Calm	25 1 Mild
CONTROL OF SITE (Yes =1, No=2)	26 1 Signs	28 1 Supervision	
	27 1 Fence & Gate	29 2 None	
EQUIPMENT AT SITE	30 1 Bulldozers	34 0 Drag Lines	
	31 2 Payloaders	35 0 Graders	
Write in Quantity Being Used)	32 0 Scrapers	36 0 Other Types	
	33 0 Compactors	37 0 Fill Trucks	
TYPE OF REFUSE DISPOSED (Yes=1, No=2)	38 2 Residential	41 1 Demolition	
	39 2 Commercial	42 (1) Agricultural	
	40 2 Industrial	43 2 Scavenger	
	45 2 1. Burning at Time of Inspection		
	46 2 2. Evidence of On-site Burning		
	47 2 3. Dumping into Water		
	48 2 4. Leachate Observed at the Site		
	49 3 5. Leaching into a Water Course		
EXPLAIN YES ANSWERS ON REVERSE SIDE	50 2 6. Refuse not Confined to a Manageable Area		
Yes=1, No=2, N/A=3)	51 2 7. Unsatisfactory Daily Soil Cover		
	52 2 8. Refuse Protruding through Completed Areas		
	53 2 9. Improper Spreading and Compaction of the Refuse		
	54 2 10. Pooling of Water, Cover Soil Cracking, Soil Erosion, or Improper Slope		
	55 2 11. Evidence of Rodents and Insects		
	56 2 12. Blowing Paper Problem		
	57 2 13. Salvaging of Refuse Creating a Nuisance		
	58 2 14. Approach Road Impassable to Vehicular Traffic During Part of the		
Violations Found	59-60 0 0	Violations Corrected	61-62 0 1
Incinerator	64 2	Violation Notice Issued (Yes=1, No=2)	63 0
(Yes=1, No=2) Furnaces Available	65	Stack Effluent (Ringlemen No)	67
Furnaces on Line	66	Wind Direction	68-70 N N E

Question

Explanation of Yes Answers

A.G.O. Landfill, Hicksville, N.Y.

October 15, 1974

On October 7, 1974, a reinspection of the above premises was made following the discovery, on October 2nd., of numerous 55-gallon drums of industrial solvents. Mr. Portney reported a count of 33 drums in all of which he had disposed of 13. A follow-up inspection the week of October 15th. will be made to see that all drums are disposed of.

DA:


Donald Aitken, Jr.

Refuse Site Sketch

Location Sketch

SYL00114799

REFUSE DISPOSAL AND INSPECTION REPORT

Page 4.7

Name of Site A.G.O.	Location (Town, Vlge, City) OYSTER BAY	Site No. Col 1-3 222	Report No. Col 4-6 86
Operator Bill FORTNEY	Address		
Owner	Address		
Person Interviewed Mr. FORTNEY	Date Col 7-12 102874	Time Col 13-16 123	
Inspected By (Signature) <i>James R. [unclear]</i>	Employee No. Col 17-19 60		
WEATHER CONDITIONS (Yes=1, No=2)	20 2 Rainy	22 2 Windy	24 1 Cold
	21 1 Fair	23 1 Calm	25 2 Mild
CONTROL OF SITE (Yes =1, No=2)	26 1 Signs	28 1 Supervision	
	27 1 Fence & Gate	29 2 None	
EQUIPMENT AT SITE	30 1 Bulldozers	34 0 Drag Lines	
	31 1 Payloaders	35 0 Graders	
(Write in Quantity Being Used)	32 0 Scrapers	36 0 Other Types	
	33 0 Compactors	37 0 Fill Trucks	
TYPE OF REFUSE DISPOSED (Yes=1, No=2)	38 2 Residential	41 1 Demolition	
	39 1 Commercial	42 2 Agricultural	
	40 1 Industrial	43 2 Scavenger	
	45 2 1. Burning at Time of Inspection		
	46 2 2. Evidence of On-site Burning		
	47 2 3. Dumping into Water		
	48 2 4. Leachate Observed at the Site		
	49 2 5. Leaching into a Water Course		
EXPLAIN YES ANSWERS ON REVERSE SIDE (Yes=1, No=2, N/A=3)	50 2 6. Refuse not Confined to a Manageable Area		
	51 2 7. Unsatisfactory Daily Soil Cover		
	52 2 8. Refuse Protruding through Completed Areas		
	53 2 9. Improper Spreading and Compaction of the Refuse		
	54 2 10. Pooling of Water, Cover Soil Cracking, Soil Erosion, or Improper Slo		
	55 2 11. Evidence of Rodents and Insects		
	56 2 12. Blowing Paper Problem		
	57 1 13. Salvaging of Refuse Creating a Nuisance		
	58 2 14. Approach Road Impassable to Vehicular Traffic During Part of the		
Violations Found	59-60 0 1 Violations Corrected	61-62 0	
Incinerator	64 2 Violation Notice Issued (Yes=1, No=2)	63	
(Yes=1, No=2) Furnaces Available	65	Stack Effluent (Ringmen No)	67
Furnaces on Line	66	Wind Direction	68-70 5

AGO Landfill, Hicksville, NY

October 30, 1974

On October 28, 1974, writer reinspected the above site and interviewed Mr. Portney. Earlier inspections revealed numerous 55-gallon containers filled with industrial solvents and thinners, etc. They were earlier ordered emptied and/or disposed of in a proper fashion.

A total count of the barrels, as of 10/23/74, indicated there are between 60-75 of them with only 13 emptied and stacked near Mr. Portney's office.

He was told that the entire lot must be disposed of within two weeks (no later than 11/11/74) along with written documentation that the contents were acceptably disposed of via commercial chemical salvage. Mr. Jucza also suggested a chemical sampling of various of the drums prior to disposal.

Donald Aitken, Jr.
Donald Aitken, Jr.

DA:

Refuse Site Sketch

Location Sketch

SYL00114801

Name of Site A.G.O. LANDFILL	Location (Town/Vlge/City) OSTER BAY	Site No. Col 1-3 222	Report No. Col 4-6 88
Operator BILL PORTNEY	Address		
Owner	Address		

Person Interviewed MR PORTNEY	Date Col 7-12 11/18/74	Time Col 13-16 133
Inspected By (Signature) <i>Donald Hinkley</i>	Employee No Col 17-19 60	

WEATHER CONDITIONS (Yes=1, No=2)	20 2 Rainy	22 1 Windy	24 1 Cold
	21 1 Fair	23 2 Calm	25 2 Mild

CONTROL OF SITE (Yes=1, No=2)	26 1 Signs	28 1 Supervision
	27 1 Fence & Gate	29 2 None

EQUIPMENT AT SITE	30 1 Bulldozers	34 0 Drag Lines
	31 1 Payloaders	35 0 Graders

(If Site in Quantity Being Used)	32 0 Scrapers	36 0 Other Types
	33 1 Compactors	37 0 Fill Trucks

TYPE OF REFUSE DISPOSED (Yes=1, No=2)	38 2 Residential	41 1 Demolition
	39 2 Commercial	42 2 Agricultural
	40 2 Industrial	43 2 Scavenger

EXPLAIN YES ANSWERS ON REVERSE SIDE (Yes=1, No=2, N/A=3)	45 2 1. Burning at Time of Inspection
	46 2 2. Evidence of On-site Burning
	47 2 3. Dumping into Water
	48 2 4. Leachate Observed at the Site
	49 2 5. Leaching into a Water Course
	50 2 6. Refuse not Confined to a Manageable Area
	51 2 7. Unsatisfactory Daily Soil Cover
	52 2 8. Refuse Protruding through Completed Areas
	53 2 9. Improper Spreading and Compaction of the Refuse
	54 2 10. Pooling of Water, Cover Soil Cracking, Soil Erosion, or Improper Slope

55 2 11. Evidence of Rodents and Insects
56 2 12. Blowing Paper Problem
57 1 13. Salvaging of Refuse Creating a Nuisance
58 2 14. Approach Road Impassable to Vehicular Traffic During Part of the

Violations Found	59-60 0	Violations Corrected	61-62 0
Incinerator	64 2	Violation Notice Issued (Yes=1, No=2)	63 2
(Yes=1, No=2) Furnaces Available	65	Stack Effluent (Ringmen No)	67
Furnaces on Line	66	Wind Direction	68-70 SW

Section
No

Examination of Yes Answers

Re: AGO Landfill, Hicksville, NY

November 20, 1974

On November 13, 1974, writer inspected above site and interviewed Mr. Portney. The site is currently under bi-weekly inspection basis due to finding more than one hundred 55-gallon industrial drums filled with assorted fluids, some extremely toxic. Last inspection revealed most had been got rid of. This date, Mr. Portney reported that, due to illness in the family, he had closed the site and had not sent out any of the remaining barrels. Due to his cooperation in the past, the deadline for ridding the premises of this potential violation will be extended one week.

Donald Aitken, Jr.
Donald Aitken, Jr.

DA:

Refuse Site Sketch

Location Sketch

SYL00114803

REFL DISPOSAL AND INSPECTION REPORT.

Page 11

Name of Site A.G.O. LANDFILL	Location (Town, Vlg, City) OSTER BAY	Site No. Col 1-3 222	Report No. Col 4-6 87
Operator BILL FORTNEY	Address		
Owner	Address		
Person Interviewed MR. FORTNEY	Date Col 7-12 110874	Time Col 13-16 113	
Inspected By (Signature) Donald Pittman Jr.	Employee No. Col 17-19 61		
WEATHER CONDITIONS (Yes=1, No=2)	20 2 Rainy	22 2 Windy	24 2 Cold
	21 1 Fair	23 1 Calm	25 1 Mild
CONTROL OF SITE (Yes =1, No=2)	26 1 Signs	28 1 Supervision	
	27 1 Fence & Gate	29 2 None	
EQUIPMENT AT SITE	30 2 Bulldozers	34 0 Drag Lines	
	31 1 Payloaders	35 0 Graders	
(Write in Quantity Being Used)	32 0 Scrapers	36 0 Other Types	
	33 0 Compactors	37 0 Fill Trucks	
TYPE OF REFUSE DISPOSED (Yes=1, No=2)	38 2 Residential	41 1 Demolition	
	39 1 Commercial	42 2 Agricultural	
	40 2 Industrial	43 2 Scavenger	
	45 2 1. Burning at Time of Inspection		
	46 2 2. Evidence of On-site Burning		
	47 2 3. Dumping into Water		
	48 2 4. Leachate Observed at the Site		
	49 2 5. Leaching into a Water Course		
EXPLAIN YES ANSWERS ON REVERSE SIDE (Yes=1, No=2, N/A=3)	50 2 6. Refuse not Confined to a Manageable Area		
	51 2 7. Unsatisfactory Daily Soil Cover		
	52 2 8. Refuse Protruding through Completed Areas		
	53 2 9. Improper Spreading and Compaction of the Refuse		
	54 2 10. Pooling of Water, Cover Soil Cracking, Soil Erosion, or Improper Sl		
	55 2 11. Evidence of Rodents and Insects		
	56 2 12. Blowing Paper Problem		
	57 1 13. Salvaging of Refuse Creating a Nuisance		
	58 2 14. Approach Road Impassable to Vehicular Traffic During Part of th		
Violations Found	59-60 0	Violations Corrected	61-62 0
Incinerator	64 2	Violation Notice Issued (Yes=1, No=2)	63
(Yes=1, No=2) Furnaces Available	65	Stack Effluent (Ringlemen No)	67
Furnaces on Line	66	Wind Direction	68-70

Question
No

Explanation of Yes Answers

Page 12

Re: A50 Landfill, Hicksville, NY.

November 12, 1974

On November 8, 1974, writer inspected the subject site; Mr. Portney was interviewed. He reported that, to date, he has removed more than eighty 55-gallon drums. An inspection of the site revealed that some twenty to thirty barrels remain. Mr. Portney is well aware that he is subject to violation if all barrels are not removed. Due to the attention he is giving the problem, he has asked for one more week to rid the site; cut-off date now extended to Friday, November 15, 1974. Mr. Portney was advised that any spillage was to be mixed with sand or other suitable wet chemical absorbant and this, too, removed from the landfill.

DA:

Donald Aitken, Jr.
Donald Aitken, Jr.

Refuse Site Sketch

Location Sketch

SYL00114805

REFUSE DISPOSAL AND INSPECTION REPORT

Page 13 / 1

Name of Site AGO LANDFILL	Location (Town, Vlg, City) OSTER BAY	Site No. Col 1-3 2 2 2	Report No. Col 4-6 9 0 1
Operator BILL PORTNEY	Address		
Owner	Address		
Person Interviewed MR. PORTNEY	Date Col 7-12 1 1 2 7 7 4	Time Col 13-16 1 4 3	
Inspected By (Signature) Donald - Dittman, Jr.	Employee No Col 17-19 6 0		
WEATHER CONDITIONS (Yes=1, No=2)	20 2 Rainy	22 1 Windy	24 1 Cold
	21 1 Fair	23 2 Calm	25 2 Mild
CONTROL OF SITE (Yes =1, No=2)	26 1 Signs	28 1 Supervision	
	27 1 Fence & Gate	29 2 None	
EQUIPMENT AT SITE	30 2 Bulldozers	34 0 Drag Lines	
(Write in Quantity Being Used)	31 1 Payloaders	35 0 Graders	
	32 0 Scrapers	36 0 Other Types	
	33 0 Compactors	37 0 Fill Trucks	
TYPE OF REFUSE DISPOSED (Yes=1, No=2)	38 2 Residential	41 1 Demolition	
	39 2 Commercial	42 2 Agricultural	
	40 2 Industrial	43 2 Scavenger	
	45 2 1. Burning at Time of Inspection		
	46 2 2. Evidence of On-site Burning		
	47 2 3. Dumping into Water		
	48 2 4. Leachate Observed at the Site		
	49 2 5. Leaching into a Water Course		
EXPLAIN YES ANSWERS OF REVERSE SIDE (Yes=1, No=2, N/A=3)	50 2 6. Refuse not Confined to a Manageable Area		
	51 2 7. Unsatisfactory Daily Soil Cover		
	52 2 8. Refuse Protruding through Completed Areas		
	53 2 9. Improper Spreading and Compaction of the Refuse		
	54 2 10. Pooling of Water, Cover Soil Cracking, Soil Erosion, or Improper Slo		
	55 2 11. Evidence of Rodents and Insects		
	56 3 12. Blowing Paper Problem		
	57 1 13. Salvaging of Refuse Creating a Nuisance		
	58 2 14. Approach Road Impassable to Vehicular Traffic During Part of th		
Violations Found 59-60 0 1	Violations Corrected 61-62 0		
Incinerator 64 2	Violation Notice Issued (Yes=1, No=2) 63		
(Yes=1, No=2) Furnaces Available 65	Stack Effluent (Ringlemen No) 67		
Furnaces on Line 66	Wind Direction 68-70 5		

Question
No

Explanation of Yes Answers

Page 14

Re: AGO Landfill, W. John St., Hicksville.

December 4, 1974

On November 27, 1974, writer inspected above site and spoke to Mr. Portney. Site is still under summary surveillance due to numerous 55-gallon drums still on the premises. Mr. Portney was informed that since the site will be inspected before 12/15/74, all barrels will have to be removed by that time or a violation notice will be served. He stated that he should be able to comply by that date.

Donald Aitken, Jr.
Donald Aitken, Jr.

DA:

Donald Aitken, Jr.

Refuse Site Sketch

Location Sketch

01 11 1974

SYL00114807

REFUSE DISPOSAL AND INSPECTION REPORT

Page 15

Name of Site AGO LANDFILL	Location (Town, Vlg, City) OSTER BAY	Site No. Col 1-3 222	Report No. Col 4-6 931
Operator Bill PORTNEY	Address		
Owner	Address		
Person Interviewed Mr. PORTNEY	Date Col 7-12 010775	Time Col 13-16 140	
Inspected By (Signature) Donald Aiken, Jr.	Employee No Col 17-19 60		
WEATHER CONDITIONS (Yes=1, No=2)	20 2 Rainy	22 2 Windy	24 1 Cold
	21 1 Fair	23 1 Calm	25 2 Mild
CONTROL OF SITE (Yes =1, No=2)	26 1 Signs	28 1 Supervision	
	27 1 Fence & Gate	29 2 None	
EQUIPMENT AT SITE	30 1 Bulldozers	34 0 Drag Lines	
(Write in Quantity Being Used)	31 1 Payloaders	35 0 Graders	
	32 0 Scrapers	36 0 Other Types	
	33 0 Compactors	37 0 Fill Trucks	
TYPE OF REFUSE DISPOSED (Yes=1, No=2)	38 2 Residential	41 1 Demolition	
	39 2 Commercial	42 2 Agricultural	
	40 2 Industrial	43 2 Scavenger	
	45 2 1. Burning at Time of Inspection		
	46 2 2. Evidence of On-site Burning		
	47 2 3. Dumping into Water		
	48 2 4. Leachate Observed at the Site		
	49 2 5. Leaching into a Water Course		
	50 2 6. Refuse not Confined to a Manageable Area		
	51 2 7. Unsatisfactory Daily Soil Cover		
	52 2 8. Refuse Protruding through Completed Areas		
	53 2 9. Improper Spreading and Compaction of the Refuse		
	54 2 10. Pooling of Water, Cover Soil Cracking, Soil Erosion, or Improper Slope		
	55 2 11. Evidence of Rodents and Insects		
	56 2 12. Blowing Paper Problem		
	57 2 13. Salvaging of Refuse Creating a Nuisance		
	58 2 14. Approach Road Impassable to Vehicular Traffic During Part of the		
Violations Found 59-60 0	Violations Corrected 61-62 0		
Incinerator (Yes=1, No=2) 2	Violation Notice Issued (Yes=1, No=2) 2		
Furnaces Available 65	Stack Effluent (Ringlemen No) 67		
Furnaces on Line 66	Wind Direction 68-70		

Re: A20 Landfill, Hicksville, N.Y.

January 13, 1975

On January 7, 1975, writer inspected the above site and interviewed Mr. Portney. He reported that although all barrels have been disposed of, a fine slick of what was described as newspaper ink remains in the area where the drums were stored. Due to inclement weather the past few weeks, i.e., heavy rain, he has not had a chance to cover the "slick" with a layer of sand.

DA:

Donald Aitken, Jr.
Donald Aitken, Jr.

Refuse Site Sketch

Location Sketch

Name of Site A.G.O. LANDFILL		Location (Town, Vlg, City) OYSTER BAY		Site No. Col 1-3 2 2 2		Report No. Col 4-6 97	
Operator Bill PORTNEY		Address					
Owner		Address					
Person Interviewed Mr PORTNEY		Date Col 7-12 (2/26)		Time Col 13-16 1 4 3		Employee No Col 17-19 6 0	
Inspected By (Signature) <i>Donna Dittmer</i>							
WEATHER CONDITIONS (Yes=1, No=2)		20	2	Rainy	22	1	Windy
		21	1	Fair	23	2	Calm
					24	1	Cold
					25	2	Mild
CONTROL OF SITE (Yes=1, No=2)		26	1	Signs	28	1	Supervision
		27	1	Fence & Gate	29	2	None
EQUIPMENT AT SITE		30	2	Bulldozers	34	0	Drag Lines
		31	1	Payloaders	35	0	Graders
(Write in Quantity Being Used)		32	0	Scrapers	36	0	Other Types
		33	0	Compactors	37	2	Fill Trucks
TYPE OF REFUSE DISPOSED (Yes=1, No=2)		38	2	Residential	41	1	Demolition
		39	2	Commercial	42	2	Agricultural
		40	2	Industrial	43	2	Scavenger
		45	2	1. Burning at Time of Inspection			
		46	2	2. Evidence of On-site Burning			
		47	2	3. Dumping into Water			
		48	2	4. Leachate Observed at the Site			
		49	2	5. Leaching into a Water Course			
		50	2	6. Refuse not Confined to a Manageable Area			
		51	2	7. Unsatisfactory Daily Soil Cover			
		52	2	8. Refuse Protruding through Completed Areas			
		53	2	9. Improper Spreading and Compaction of the Refuse			
		54	2	10. Pooling of Water, Cover Soil Cracking, Soil Erosion, or Improper Slo			
		55	2	11. Evidence of Rodents and Insects			
		56	2	12. Blowing Paper Problem			
		57	2	13. Salvaging of Refuse Creating a Nuisance			
		58	2	14. Approach Road Impassable to Vehicular Traffic During Part of the			
Violations Found		59-60	0 0	Violations Corrected		61-62	0 0
Incinerator		64	2	Violation Notice Issued (Yes=1, No=2)		63	1
(Yes=1, No=2) Furnaces Available		65		Stack Effluent (Ringmen No)		67	
Furnaces on Line		66		Wind Direction		68-70	1 1 1

tion
o

E(anation of Yes Answers

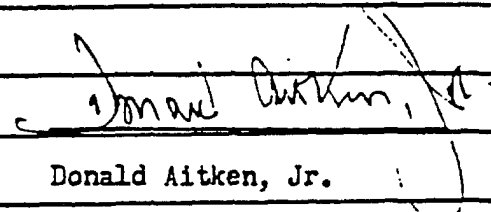
Re: A.G.O. Landfill, Hicksville, NY

February 28, 1975

On February 25, 1975, writer inspected above site. Mr. Portney was interviewed by telephone on 2/27/75. The problem with the previously sighted 55-gallon drums has been eliminated. However, Mr. Portney stated that a good deal of sand which had been mixed with spillings from the 100 or more containers will have to be removed.

Mr. Portney's site was found to have an oversupply of salvage (i.e., iron reinforcing screen, aluminum, etc.). He stated that he is going to try to wait until prices for this material goes back up to acceptable levels. Consolidation, here, as in other operations, would not make the site so cluttered looking.

DA:


Donald Aitken, Jr.

Refuse Site Sketch

Location Sketch

SYL00114810

LANDFILL INSPECTION REPORT
and Resource ManagementNassau County
Department of HealthFacility A. G. O. LandfillLocation West John St. HicksvilleSite No. 222Person
Interviewed Bill PortneyOverall Rating ☒ Satisfactory ☐ Marginal ☐ UnsatisfactoryName of
Inspector Steven D. SilversInspection
Time 45 minutesDate
Inspected 10/6/75

S-Satisfactory				M-Marginal			U-Unsatisfactory			
Item				S	M	U	Item			
1.	Spreading and Compaction			✓			14.	Blowing Litter Control		✓
2.	Daily and Intermediate Cover			✓			15.	Odor Control		✓
3.	Final Cover			✓			16.	Dust Control		✓
4.	Depth of Cells			✓			17.	Vector Control		✓
5.	Size of Working Face			✓			18.	Control of Open Burning		✓
6.	Side Slopes			✓			19.	Fire Protection		✓
7.	Dumping into Water Controlled			✓			20.	Control of Salvaging		✓
8.	Sufficient Equipment, Good Repair			✓			21.	Bulky Waste Handling		✓
9.	Access Road Maintenance			✓			22.	Supervision of Unloading		✓
10.	Surface Drainage			✓			23.	Maintenance, Homeowner Area	N/A	
11.	Maintenance of Completed Areas			✓			24.	Access Limited		✓
12.	Leachate Control	N/A					25.	Other		
13.	Monitoring Wells	N/A								

INSPECTION REPORT

Area inspected and found to be clear and well maintained. Mr. Portney stated that a one-acre portion of the site had been sold to an adjoining beer distributor for the purpose of expanding his parking space. At the time of inspection, a Dozer was in the process of bringing this area to the existing grade of the parking lot by using fill material on the adjacent site area. The trench being excavated by this process will be filled with the new material that comes in. Some material, mostly construction debris with some rubbish mixed in, was unloaded adjacent to this trench and will be used to fill in this trench. Mr. Portney also stated that the site should be completely by the spring of 1976 at which time operations will cease. It should also be noted that the landfill is not open for business on Mondays starting this week but will be open Tuesday to Saturday. No loads will be taken for disposal on Mondays from now on.

SDS

SYL00114811

A.G.O. LANDFILL
WEST JOHN STREET, HICKSVILLE, NEW YORK

CHARLES ANDROMEDAS, OWNER
38 WILLIS AVENUE
MINEOLA, NEW YORK
(516) 741-5539

WILLIAM PORTNEY
GENERAL FOREMAN

SYL00114812

A.G.O. LANDFILL
HICKSVILLE, NEW YORK
INSPECTION HISTORY
SUMMARY OF INSPECTIONS

1. 6/3/75 -- Premises found to be satisfactory. Overflow of salvage; reinspection scheduled.
2. 6/11/75 -- Premises satisfactory. Most of "overflow" salvage removed.
3. 8/27/75 -- Premises satisfactory.
4. 9/10/75 -- Premises satisfactory.
5. 10/6/75 -- Premises satisfactory.
6. 10/16/75 -- Premises satisfactory.
7. 11/19/75 -- Premises satisfactory.
8. 12/19/75 -- Premises satisfactory.

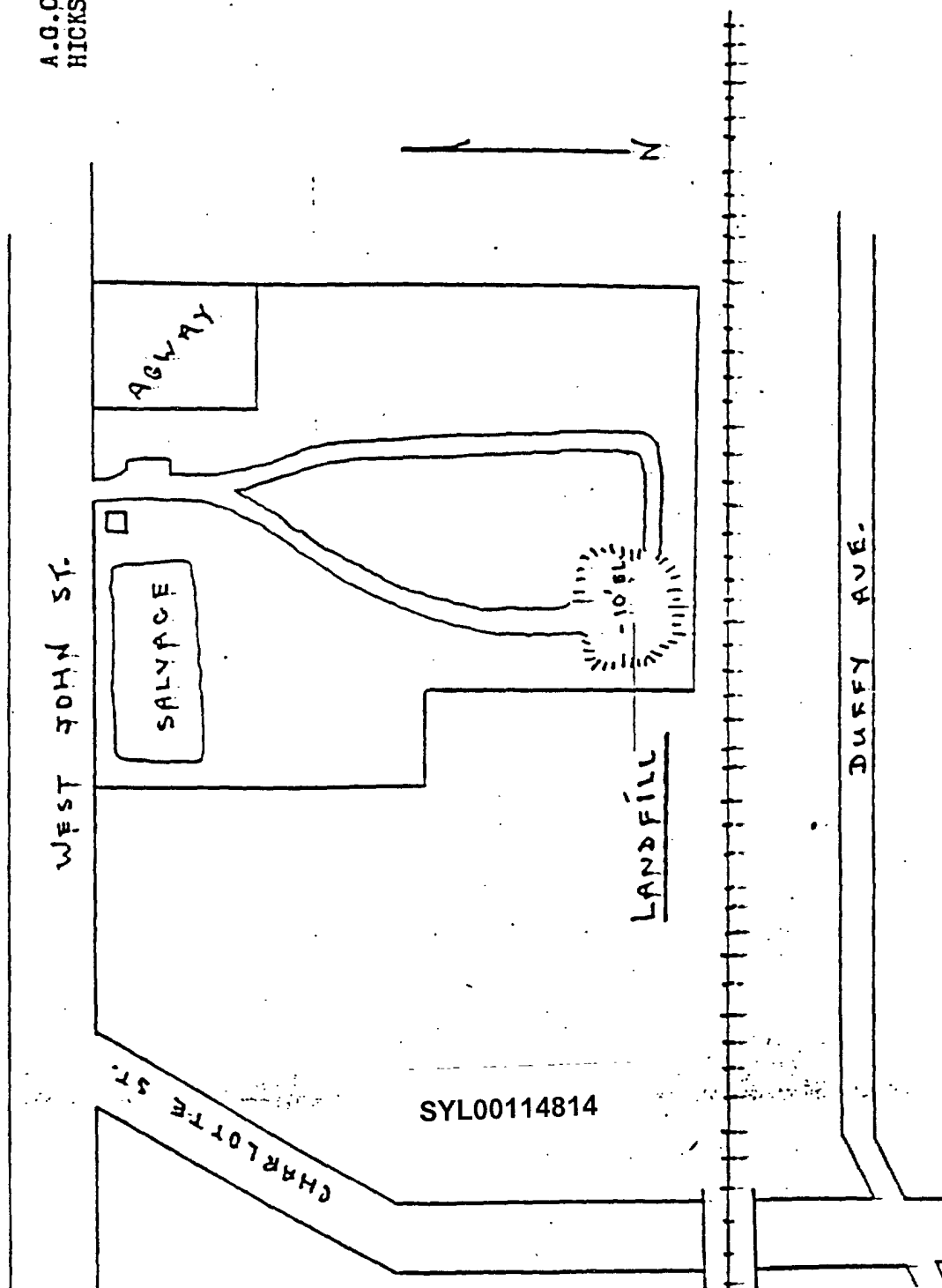
1976

9. 1/30/76 -- Premises satisfactory.
10. 2/19/76 -- Premises satisfactory.
11. 3/26/76 -- Premises satisfactory.
12. 4/20/76 -- Generally good appearance except for lack of control of working face.

PRESENT STATUS -

4/30/76 -- Annual inspection; Messrs. Licata, Pedersen and Aitken. Mr. Licata felt that the area surrounding and immediate working area needs attention to salvage lying on ground. Mr. Portney was informed and will comply.

A.C.O. LANDFILL
HICKSVILLE, N.Y.



LANDFILL INSPECTION REPORT Land Resources Management		Facility <u>A.G.O.</u>	
Nassau County Department of Health		Location <u>W. 16th St, Hicksville</u>	
		Site No. <u>222</u>	
Person Interviewed <u>Bill Portney</u>		Overall Rating <input type="checkbox"/> Satisfactory <input checked="" type="checkbox"/> Marginal <input type="checkbox"/> Unsatisfactory	
Name of Inspector <u>Donna Hickman, JR</u>		Inspection Time <u>37 min</u>	Date Inspected <u>11/1</u>

S-Satisfactory		M-Marginal			U-Unsatisfactory	
Item	S	M	U	Item	S	
1. Spreading and Compaction				14. Blowing Litter Control		
2. Daily and Intermediate Cover				15. Odor Control		
3. Final Cover				16. Dust Control		
4. Depth of Cells				17. Vector Control		
5. Size of Working Face				18. Control of Open Burning	MA	
6. Side Slopes				19. Fire Protection		
7. Dumping into Water Controlled	MA			20. Control of Salvaging		
8. Sufficient Equipment, Good Repair				21. Bulky Waste Handling		
9. Access Road Maintenance				22. Supervision of Unloading		
10. Surface Drainage				23. Maintenance, Homeowner Area	MA	
11. Maintenance of Completed Areas				24. Access Limited		
12. Leachate Control	N/O			25. Other		
13. Monitoring Wells	MA					

INSPECTION REPORT

5 1 & 8 - Mr Portney stated that his bulldozer has been "down" for 2 weeks. Last inspection (10/28/71) revealed marginal compaction and cover for the above reason. Cover material satisfactory as he has trucks carrying clean fill dump on top of exposed areas.

He stated he has been visited by a Mr. Alex Rankoff of TOB (Mining Sanitation Dept) complaining of dumping.

See Reverse Side for Sketch

SYL00114815

LANDFILL INSPECTION REPORT
 and Resource Management

 Nassau County
 Department of Health

Facility

A.S.O.

Location

W. John St., Hialeah

Site No.

222

Person

Interviewed

Wm. Portney

Name of
Inspector

Jonas Aiken

Overall
Rating☐ Satisfactory☒ Marginal☐ UnsatisfactoryInspection
Time

30 min

Date

Inspected 11/11/76

S-Satisfactory

M-Marginal

U-Unsatisfactory

Item	S	M	U	Item
1. Spreading and Compaction	✓			14. Blowing Litter Control
2. Daily and Intermediate Cover		✓		15. Odor Control
3. Final Cover	✓			16. Dust Control
4. Depth of Cells	✓			17. Vector Control
5. Size of Working Face	✓			18. Control of Open Burning NA
6. Side Slopes	✓			19. Fire Protection
7. Dumping into Water Controlled	✓			20. Control of Salvaging X
8. Sufficient Equipment, Good Repair		✓		21. Bulky Waste Handling
9. Access Road Maintenance	✓			22. Supervision of Unloading
10. Surface Drainage	✓			23. Maintenance, Homeowner Area NA
11. Maintenance of Completed Areas	✓			24. Access Limited
12. Leachate Control	W/O			25. Other
13. Monitoring Wells	NA			

INSPECTION REPORT

218 - Mr Portney reported that his front end loader has broken down and would not be able to cover exposed material until Saturday, 12/11/76

Mr Portney also informed that on 12/7/76 he was served a summons from

SYL00114816

Alex Pank, et al. of TOS Corp. Dept charging him with (1) Salvage Operation, and (2) Storage of Hazardous Waste at his TOS.

LANDFILL INSPECTION REPORT Solid Resources Management		Facility <u>A-9.0.</u>	
Nassau County Department of Health		Location <u>W. John St., Hill</u>	
Person Interviewed		Site No. <u>2220</u>	
Name of Inspector <u>Donald Arthur, Jr.</u>		Overall Rating <input type="checkbox"/> Satisfactory <input type="checkbox"/> Marginal <input type="checkbox"/> Unsatisfactory	Inspection Time <u>30 min</u>
		Date Inspected	<u>31</u>

S-Satisfactory			M-Marginal			U-Unsatisfactory		
Item	S	M	U	Item	S	M	U	
1. Spreading and Compaction	✓			14. Blowing Litter Control	✓			
2. Daily and Intermediate Cover			✓	15. Odor Control	✓			
3. Final Cover	✓			16. Dust Control	✓			
4. Depth of Cells	✓			17. Vector Control	✓			
5. Size of Working Face	✓			18. Control of Open Burning		NA		
6. Side Slopes	✓			19. Fire Protection	✓			
7. Dumping into Water Controlled	✓			20. Control of Salvaging			NA	
8. Sufficient Equipment, Good Repair	✓			21. Bulky Waste Handling	✓			
9. Access Road Maintenance	✓			22. Supervision of Unloading	✓			
10. Surface Drainage	✓			23. Maintenance, Homeowner Area		NA		
11. Maintenance of Completed Areas	✓			24. Access Limited	✓			
12. Leachate Control		NA		25. Other				
13. Monitoring Wells		NA						

SYL00114817

SYL00114817

INSPECTION REPORT

#2 - Despite repeated requests, only small amount of cover material applied to 50' x 50' landfill area (SW corner).

#20 - Although amount of salvaging is not excessive, more has been requested to rid the area of all salvage by T.O.B. proper time. Letter to Andromeda in order. DA

LANDFILL INSPECTION REPORT
 Land Resources Management

Facility

A.G.O.

Location

W. John St., Hield

Site No.

222

Nassau County
 Department of Health

Person
 Interviewed

Bill Portney

Overall
 Rating

☐ Satisfactory ☐ Marginal ☐ Unsatisfactory

Name of
 Inspector

Donald Ainsworth

Inspection
 Time

30 min

Date
 Inspected

5/1

S-Satisfactory					M-Marginal					U-Unsatisfactory				
Item					Item					Item				
1.	Spreading and Compaction									14.	Blowing Litter Control			
2.	Daily and Intermediate Cover									15.	Odor Control			
3.	Final Cover									16.	Dust Control			
4.	Depth of Cells									17.	Vector Control			
5.	Size of Working Face									18.	Control of Open Burning	NA		
6.	Side Slopes									19.	Fire Protection			
7.	Dumping into Water Controlled									20.	Control of Salvaging			
8.	Sufficient Equipment, Good Repair									21.	Bulky Waste Handling			
9.	Access Road Maintenance									22.	Supervision of Unloading			
10.	Surface Drainage									23.	Maintenance, Homeowner Area	NA		
11.	Maintenance of Completed Areas									24.	Access Limited			
12.	Leachate Control									25.	Other			
13.	Monitoring Wells													

INSPECTION REPORT

2 - SW corner being covered and also
 opening NW corner near area
 where salvage (almost all
 removed) used to be.
 JA 5/11

SYL00114818

LANDFILL INSPECTION REPORT

Department of Resources Management

Nassau County

Department of Health

Facility

Location

Site No.

Person

Interviewed

Name of

Inspector

Overall Rating

☐ Satisfactory

☒ Marginal

☐ Unsatisfactory

Inspection

Time

Date

Inspected

S-Satisfactory

M-Marginal

U-Unsatisfactory

Item

S M U

Item

S M

1. Spreading and Compaction

2. Daily and Intermediate Cover

3. Final Cover

4. Depth of Cells

5. Size of Working Face

6. Side Slopes

7. Dumping into Water Controlled

8. Sufficient Equipment, Good Repair

9. Access Road Maintenance

10. Surface Drainage

11. Maintenance of Completed Areas

12. Leachate Control

13. Monitoring Wells

14. Blowing Litter Control

15. Odor Control

16. Dust Control

17. Vector Control

18. Control of Open Burning

19. Fire Protection

20. Control of Salvaging

21. Bulky Waste Handling

22. Supervision of Unloading

23. Maintenance, Homeowner Area

24. Access Limited

25. Other

INSPECTION REPORT

* #20 - All salvages gone.

#1 & 2 - former salvages are now being used for land fill. When Mr. Portney attention was directed to lack of compaction and cover, he stated that he has directed all work to mandatory removal (TOP VN) of salvages.

SYL00114819

LANDFILL INSPECTION REPORT and Resources Management		Facility	A.G.D.	
Massachusetts Department of Health		Location	W. John St. Hickory	
		Site No.	2221	
Person interviewed	Mr. Portney	Overall Rating	<input checked="" type="checkbox"/> Satisfactory <input type="checkbox"/> Marginal <input type="checkbox"/> Unsatisfactory	
Name of Inspector	Donald A. Dittman, Jr.	Inspection Time	30 min	Date Inspected 2/2/78

S-Satisfactory					M-Marginal			U-Unsatisfactory				
Item					S	M	U	Item				S
1. Spreading and Compaction						✓		14. Blowing Litter Control				✓
2. Daily and Intermediate Cover						✓		15. Odor Control				✓
3. Final Cover					✓			16. Dust Control				✓
4. Depth of Cells					✓			17. Vector Control				✓
5. Size of Working Face					✓			18. Control of Open Burning				MA
6. Side Slopes					✓			19. Fire Protection				✓
7. Dumping into Water Controlled					✓			20. Control of Salvaging				✓
8. Sufficient Equipment, Good Repair						✓		21. Bulky Waste Handling				✓
9. Access Road Maintenance					✓			22. Supervision of Unloading				✓
10. Surface Drainage					✓			23. Maintenance, Homeowner Area				MA
11. Maintenance of Completed Areas					✓			24. Access Limited				✓
12. Leachate Control					✓			25. Other				
13. Monitoring Wells					MA							

INSPECTION REPORT

1, 2 & 8 - Mr Portney is working on his
non working knowledge with the
about that a small pile of
agreed that debris and concrete
has not been land filled.
Reinspection scheduled for week of
2/13/78.
DA 2/3.

SYL00114820

Memorandum

Page 3

To: Don

Date: 3/16

From: FOP

I passed the AGO landfill
twice on Wed (on the LIRR side).

It looked like hell. A large pile of
wood and other material was on the west side
and covering the rest of the material seemed
to be very light. Were it mine, just there?

J. Rankin

3/20
Please refer to last
imp report - It did
and also look awful.
It was given into
next week to
consolidate & cover.



Don

BMI - 5039 - 1/9/67

SYL00114821

LANDFILL INSPECTION REPORT and Resource Management		Facility	A.G.O.	
Issau County Department of Health		Location	W 10th St., Hickory	
		Site No.	2202	
Person Interviewed	Bill Portney	Overall Rating	<input type="checkbox"/> Satisfactory	<input checked="" type="checkbox"/> Marginal <input type="checkbox"/> Unsatisfactory
Name of Inspector	Donald Ritten	Inspection Time	30 min	Date Inspected 3/24

S-Satisfactory				M-Marginal				U-Unsatisfactory			
Item				S	M	U		Item			S
1. Breeding and Compaction				✓				14. Blowing Litter Control			✓
2. Daily and Intermediate Cover					X			15. Odor Control			✓
3. Final Cover				✓				16. Dust Control			✓
4. Depth of Cells				✓				17. Vector Control			✓
5. Size of Working Face				✓				18. Control of Open Burning			MA
6. Side Slopes				✓				19. Fire Protection			✓
7. Dumping into Water Controlled				✓				20. Control of Salvaging			✓
8. Sufficient Equipment, Good Repair				✓				21. Bulky Waste Handling			✓
9. Access Road Maintenance				✓				22. Supervision of Unloading			✓
10. Surface Drainage				✓				23. Maintenance, Homeowner Area			MA
11. Maintenance of Completed Areas				✓				24. Access Limited			✓
12. Leachate Control				N/A				25. Other			
13. Monitoring Wells				MA							

INSPECTION REPORT

2. Much improved over last visit (3/20).
 Some debris (SE corner) increased.
 Increased volume of material entering
 premises. Mr Portney was advised
 that, due to poor operation
 during March, 1978, increased
 surveillance would be made.
 - Shovel conditions worse, DEC
 would have to be utilized
 DA 3/24/79

Charles J. Andromidas

Counsellor at Law

175 Westbury Avenue

Carle Place, New York 11514

(516) 997-4444

February 13, 1979

Nassau County Department of Health
240 Old Country Road
Mineola, New York 11501

Attention: Mr. Frank D. Pedersen, P.E.
Bureau of Land Resources
Management

Re: A.G.O. Associates - property situate at West John
Street, Hicksville, N.Y.

Dear Mr. Pedersen:

Please be advised that I have been informed by William
Portney that he has discontinued the fill operation at our
location and is at present grading the property, since it
is filled to the grade agreed upon.

Very truly yours,

Charles J. Andromidas
CHARLES J. ANDROMIDAS

CJA/nm

SYL00114823

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID WASTE MANAGEMENT
FACILITY INSPECTION

1 Trans. Type

- 1 ☐ Delete
2 ☐ Add
3 ☐ Change

2 Facility No. 7

3,0,5,1,2

Facility Name

ABO LANDFILL

Location (Town, etc.)

HICKSVILLE

Persons Interviewed & Titles

NO INTERVIEW

10 Date 15/16 Time 21/22

Inspector

36/37/38

Remarks

02/14/79 02:00 PM AITKE, SCHAEFER

Instructions: At each question, use a soft pencil to blacken either the YES or NO box.

I. LEACHATE

1. Is leachate visible on, or near the site?.....22
2. Is leachate entering surface water?.....23
*3. Is leachate known to be contravening groundwater standards?.....24
4. Is refuse being placed into water?.....25

(BAD) YES	(GOOD) NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

22

II. BURNING

- *5. Is refuse burning without permit, or not under permit conditions?.....26
6. Is there evidence of unapproved previous burning?.....27

(BAD) YES	(GOOD) NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

24

III. COVER

7. Is previous day's refuse not covered?.....28
8. Is refuse protruding through daily, intermediate or final cover?.....29
9. Is intermediate or final cover not in place, or improperly applied?.....30
10. Is wrong cover material used?.....31

(BAD) YES	(GOOD) NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

26

IV. GRADING

11. Are there depressions, ponding, cracked cover, too steep slopes?.....32
12. On completed areas, is the vegetative cover missing or inadequate?.....33
13. Are there soil erosion or other drainage problems?.....34

(BAD) YES	(GOOD) NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

28

V. SEPARATION DISTANCES

14. Is refuse closer than 50 feet to site boundaries?.....35
*15. Is refuse known to be less than 5 feet from groundwater?.....36
*16. Is refuse known to be less than ___ feet from surface water?.....37

(BAD) YES	(GOOD) NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

30

VI. NUISANCE CONDITIONS

17. Are odors detectable off-site?.....38
18. Is blowing dust or dirt excessive or a nuisance?.....39
19. Are papers uncontrolled, or blowing off-site?.....40
*20. Is methane gas known to be leaving the site?.....41
21. Is noise excessive off-site?.....42

(BAD) YES	(GOOD) NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

32

VII. OPERATION CONTROL

- *22. Are Operation Permit conditions being violated?.....43
23. Is refuse being deposited in a too large area?.....44
24. Is refuse spread in layers thicker than 2 feet?.....45
25. Is refuse being compacted poorly?.....46
26. Is the working face height greater than 10 feet?.....47
27. Is the working face steeper than a 3 to 1 slope?.....48
28. Is the equipment on site not adequate for proper operation?.....49

(BAD) YES	(GOOD) NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

34

VIII. SAFETY AND HEALTH

29. Are scavengers present?.....50
30. Is salvaging uncontrolled or creating a nuisance?.....51
31. Are rodents and insects not controlled?.....52
32. Do unsafe conditions or equipment exist?.....53

(BAD) YES	(GOOD) NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

36

IX. ACCESS CONTROL

33. Is access to the site improperly or inadequately controlled?.....54
34. Is the site open without an attendant?.....55
35. Is information about the site not posted? (hours of operation, etc.)...56
36. Is access to the operating area poor or unsafe?.....57

(BAD) YES	(GOOD) NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

38

Site Sketch/Comments

SITE CLOSED - FOLLOW-UP INSPECTIONS TO
INSURE FINAL COVER.

*NOTE: For these questions, see the "Background Information Sheet" for this facility.

SYL00114824

REFERENCE 4

Located in New York State
Department of Health Files

SYL00114825

REFERENCE 5

SYL00114826

INTERVIEW ACKNOWLEDGEMENT FORM

SITE NAME: A.G.O. Associates Landfill I.D. NUMBER: 130029
 PERSON DATE: August 15, 1989
 CONTACTED: Stanley Juczak, P.E., M.C.E. PHONE NUMBER: (516) 535-3314
 AFFILIATION: Director
 Center for Environmental Protection
 ADDRESS: Nassau County Department of Health
 240 Old Country Road
 Mineola
 New York 11501
 TYPE OF CONTACT: Telephone CONTACT
 PERSON(S): Marie Mc Donnell

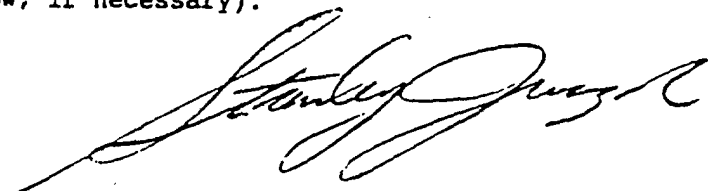
INTERVIEW SUMMARY

Mr. Juczak visited the A.G.O. Associates site on one occasion (October 2) in 1974 while supervising the inspection, as per other sites being inspected at the time in Nassau County.

During the visit, 55 gallon drums were discovered at the facility. They were ordered to be removed from the site. Mr. Juczak does not remember any chemicals or odors from the drums and appeared at the time to be just a one-time occurrence incidental to construction and demolition debris. Therefore, No analytical sampling was done on the contents before disposal. The drums were found at several locations on the facility at grade level.

ACKNOWLEDGEMENT

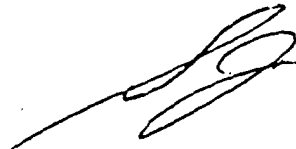
I have read the above transcript and I agree it is an accurate summary of the information verbally conveyed to the YEC, Inc. interviewer (as revised below, if necessary).



Revisions (please write in any corrections needed to the above transcript)

Noted above

Signature:

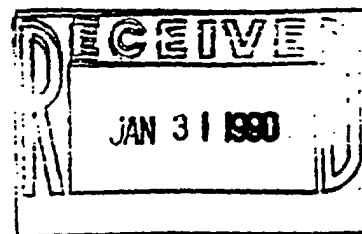


Date: 8/16/89

SYL00114827

REFERENCE 6

SYL00114828



FACT SHEET

SOLE SOURCE AQUIFERS IN REGION II

<u>Sole Source Aquifer Name</u>	<u>State</u>	<u>Citation</u>	<u>Publication Date</u>
Brooklyn/Queens Aquifer System	NY	49 FR 2950	January 24, 1984
Buried Valley Aquifer System	NJ	45 FR 30537	May 8, 1980
Cattaraugus Creek Aquifer System	NY	52 FR 36100	September 25, 1987
Clinton Street-Ballpark Aquifer System	NY	50 FR 2025	January 14, 1985
Cortland-Homer-Preble Aquifer System	NY	53 FR 22045	June 13, 1988
Highlands Aquifer System	NJ/NY	52 FR 37213	October 5, 1987
Nassau/Suffolk Aquifer System	NY	43 FR 28611	June 21, 1978
New Jersey Coastal Plain Aquifer System	NJ	53 FR 23791	June 24, 1988
Northwest New Jersey Fifteen Basin Aquifer System	NJ/NY	53 FR 23685	June 23, 1988
Ridgewood Area Aquifer System	NJ/NY	49 FR 2943	January 24, 1984
Schenectady/Niskayuna Aquifer System	NY	50 FR 2022	January 14, 1985
Upper Rockaway River Basin Aquifer System	NJ	49 FR 2946	January 24, 1984

FOR MORE INFORMATION CONTACT

U.S. ENVIRONMENTAL PROTECTION AGENCY
 JOHN MALLECK, CHIEF
 OFFICE OF GROUND WATER MANAGEMENT
 ROOM 842 - 26 FEDERAL PLAZA
 NEW YORK, N.Y. 10278
 212-264-5635

SYL00114829

REFERENCE 7

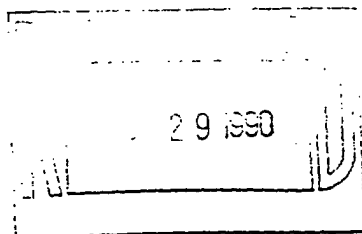
(Located in Roux Associates, Inc. Files)

SYL00114830

REFERENCE 8

SYL00114831

THOMAS S. GULOTTA
COUNTY EXECUTIVE



JOHN B. BRANCHE, M.D., F.A.A.P.
COMMISSIONER

FRANCIS V. PADAR, P.E., M.C.E.
DEPUTY COMMISSIONER FOR
ENVIRONMENTAL HEALTH

NASSAU COUNTY
DEPARTMENT OF HEALTH

240 OLD COUNTRY ROAD
MINEOLA, NEW YORK 11501

August 28, 1990

Eric Arnesen, Hydrogeologist
Roux Associates, Inc.
775 Park Ave.
Suite 255
Huntington, N.Y. 11743

Dear Mr. Arnesen:

Enclosed is the information you have requested in your August 22, 1990 letter to Mr. Myott of this Department.

Included is a list of wells within a three mile radius of A.G.O. Associates and their locations on the site map. For information about these wells, please consult the Nassau County Well Listing, that has been provided. On this list, all Nassau County wells are listed in ascending New York State Department of Conservation (N) number. A list of Water District populations has also been included. Water Districts of interest are Jericho, Hicksville, Plainview, Levittown, Bowling Green, Westbury and Old Westbury Village.

If any chemical quality for these wells is required, please contact this office for a Freedom of Information Act request form.

Should you have any questions or require any additional information, please do not hesitate to contact the writer at 535-2573.

Very truly yours,

James Rhodes

James Rhodes
Public Health Sanitarian
Bureau of Public Water Supply

JR:ds
Enc.

SYL00114832

NASSAU COUNTY DEPARTMENT OF HEALTH

COMMUNITY WATER SUPPLY POPULATION, PUMPAGE AND
PER CAPITA CONSUMPTION IN 1988
NASSAU COUNTY, NEW YORK

WATER SUPPLY	POPULATION	TOTAL PUMPAGE (GALx1000)	IMPORTED OR (EXPORTED) (GALx1000)	GALLONS PER CAPITA DAY (GPCD)
(1)	(2)	(3)	(4)	(5)
ALBERTSON WD	13,500	368,005		176
BAYVILLE (V)	8,400	300,326	25,000	106
BETHPAGE WD	33,000	1,312,371		109
X BOWLING GREEN WD	12,000	364,425	321,851	156
CARLE PLACE WD	11,050	542,106		134
CITIZENS WS CO	35,000	1,608,942		126
DEFOREST DR ASSOC	21	N.A.		N.A.
EAST MEADOW WD	50,000	1,911,202		104
EAST WILLISTON (V)	2,600	0	119,000	125
FARMINGDALE (V)	8,346	380,844		125
FRANKLIN SQUARE WD	20,000	694,090		95
FREEPORT (V)	40,000	1,793,110		122
GARDEN CITY PARK WD	20,045	1,111,115		151
GARDEN CITY SOUTH WD	1,500	0		0
GARDEN CITY (V)	23,000	1,527,910		182
GLEN COVE CITY	27,000	1,511,138	350	153
GLEN COVE HOSPITAL	* 1,400	N.A.		N.A.
GLENWOOD WD	640	0	87,380	373
HEMPSTEAD (V)	41,000	2,276,637		152
X HICKSVILLE WD	47,810	2,587,252		148
JAMAICA WS CO (10)	98,178	5,071,700		141
X JERICHO WD	67,000	4,224,754		172
X LEVITTOWN WD	48,749	1,847,688		104
LIDO-PT LOOKOUT WD	4,500	317,301		193
LOCUST VALLEY WD	7,500	563,354	(25,350)	196
LONG BEACH CITY	35,000	1,391,737		109
LONG IS WATER CORP	237,550	11,103,194		128
MANHASSET-LAKEV WD	46,250	2,685,115	(120,000)	152
MASSAPEQUA WD	52,000	1,729,844		91
MILL NECK EST WS	240	N.A.		N.A.
MINEOLA (V)	20,600	1,066,977		142
N/E FARMINGDALE WD	* 300	INCLUDED IN VILLAGE OF FARMINGDALE		
NY WATER SERVICE CORP	176,000	5,712,900		89
X OLD WESTBURY (V)	3,300	502,174		416
OYSTER BAY WD	9,000	408,582		124
X PLAINVIEW WD	35,000	1,839,200		144
PLANDOME (V)	1,600	77,259		132

NASSAU COUNTY DEPARTMENT OF HEALTH

COMMUNITY WATER SUPPLY POPULATION, PUMPAGE AND
PER CAPITA CONSUMPTION IN 1988
NASSAU COUNTY, NEW YORK

WATER SUPPLY	POPULATION	TOTAL PUMPAGE (GALx1000)	IMPORTED OR (EXPORTED) (GALx1000)	GALLONS PER CAPITA DAY (GPCD)
(1)	(2)	(3)	(4)	(5)
PLANTING FIELDS ARBOR	90	INCLUDED IN LOCUST VALLEY W.D.		
PORT WASHINGTON WD	38,000	1,482,240	120,000	115
ROCKVILLE CENTRE (V)	28,000	1,482,747		145
ROOSEVELT FIELD WD	* 1,900	1,270,897	(321,851)	N.A.
ROSLYN WD	28,000	1,274,098	(87,380)	116
SANDS POINT (V)	2,795	281,170		275
SEA CLIFF WATER CO	17,850	451,981		69
SWAN COVE WS	80	N.A.		N.A.
SO FARMINGDALE WD	49,900	1,496,157		32
SPLIT ROCK WS	25	N.A.		N.A.
UNIONDALE WD	23,000	1,020,552		121
X WESTBURY WD	20,050	1,080,566		147
WEST HEMPSTEAD WD	32,031	1,145,439		98
WILLISTON PARK (V)	8,216	485,270	(119,000)	122
TOTAL	1,485,416	68,802,379		127

* TRANSIENT POPULATIONS

N.A. - NOT AVAILABLE

(2) POPULATION FROM YEARLY INSPECTION REPORT, GEN 200, AS REPORTED TO NYDC

(3) TOTAL PUMPAGE FROM NYDEC, "PUBLIC WATER SUPPLY PUMPAGE,
NASSAU COUNTY, 1988", FEB. 1988.

(4) REPORTED BY PUBLIC WATER SUPPLIERS IN ANNUAL WATER
SUPPLY STATEMENTS FOR 1988.

SYL00114834

Well N-Number - Water District - Local No.

3953 - Hicksville - 6-1

3878 - Hicksville - 6-2

4245 - Jericho - 9

7781 - Jericho - 22

8355 - Jericho - 25

6651 - Jericho - 14

4246 - Jericho - 10

4133 - Jericho - 8

7562 - Plainview - 2-1

6190 - Hicksville - 7-1

6191 - Hicksville - 7-2

8249 - Hicksville - 1-5

6076 - Plainview - 4-1

6077 - Plainview - 4-2

8778 - Hicksville - 9-1

8779 - Hicksville - 9-2

7030 - Jericho - 15

107 - Old Westbury - 3

152 - Old Westbury - 1

5007 - Westbury - 10

7353 - Westbury - 14

5655 - Westbury - 12

6819 - Westbury - 12A

8007 - Westbury - 15

101 - Westbury - 6

7785 - Westbury - 7A

2602 - Westbury - 9

SYL00114835

8479 - ?

8956 - Bowling Green - I

8957 - Bowling Green - 2

3553 - Hicksville - 5-1

1561 - ?

3552 - Hicksville - 4-1

8526 - Hicksville - 4-2

5336 - Hicksville - 2-2

5301 - Levittown - 11

9321 - Levittown - 2A

2402 - Levittown - 1

4451 - Levittown - 10

8525 - Hicksville - 3-2

3488 - Hicksville - 3-1

6192 - Hicksville - 8-1

6193 - Hicksville - 8-2

8180 - ?

10555 - Hicksville - 11-1

2580 - Levittown - 3

4450 - Levittown - 9

4097 - Plainview - 3-1

6580 - Plainview - 3-2

REFERENCE 9

SYL00114837

THOMAS S. GULOTTA
COUNTY EXECUTIVE



JOHN J. DOWLING, M.D., M.P.H.
COMMISSIONER

GERARD E. DONOHUE, P.E., M.C.E.
DIRECTOR
CENTER FOR ENVIRONMENTAL HEALTH

NASSAU COUNTY
DEPARTMENT OF HEALTH
240 OLD COUNTRY ROAD, MINEOLA, N.Y. 11501

February 14, 1989

Marie F. McDonnell
Geologist
YEC, Inc.
Forest View Professional Bldg.
10 Pine Crest Road
Valley Cottage, N.Y. 10989

Received
2/16/89
[Signature]

RE: A.G.O. Associates
Site, Hicksville, N.Y.

Dear Ms. McDonnell:

The following information is provided for the referenced site as requested in your letter of February 7, 1989.

1. The enclosed map shows public water supply wells (drinking) in the area. The number shown for each well is the registration number assigned by NYSDEC. The map scale is approximately 1 mile = 2 1/4 inches.
2. All of these wells are used for drinking. There are also some wells used for industrial purposes, air conditioning or irrigation in the area (not shown on map).
3. The nearest public supply well is located approximately 1 mile east of the site. The Well, N-9463, is owned by the Hicksville Water District. The well is screened in the Magothy and is 638 feet deep.
4. Irrigation is provided by public supply water and by private non-drinking wells.
5. Population served by water supplies within a three mile radius is approximately 120,000.
6. All drinking water is from groundwater.
7. No wells are in immediate danger from contamination at the site. All wells are currently tested quarterly for volatile organic chemicals.
- 8-11 No surface water usage in the county for any purpose.
12. No information available on this item. Contact Mr. Joseph Schechter, Bureau of Land Resources, at 516-535-2286 for this information.

SYL00114838

Please contact me at 516-535-3323 if you have any questions regarding the above information.

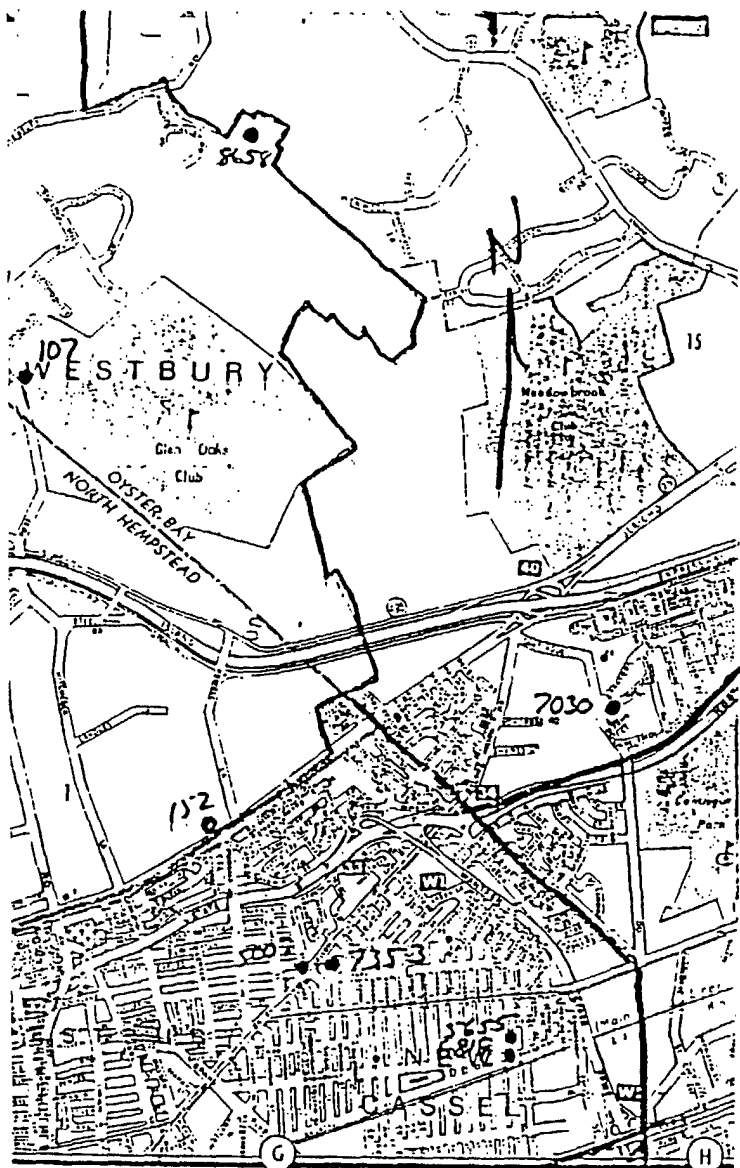
Very truly yours,

Donald H. Myott

Donald H. Myott, P.E.
Chief, Office of
Groundwater Management
Bureau of Public Water Supply

DHM:ds

SYL00114839



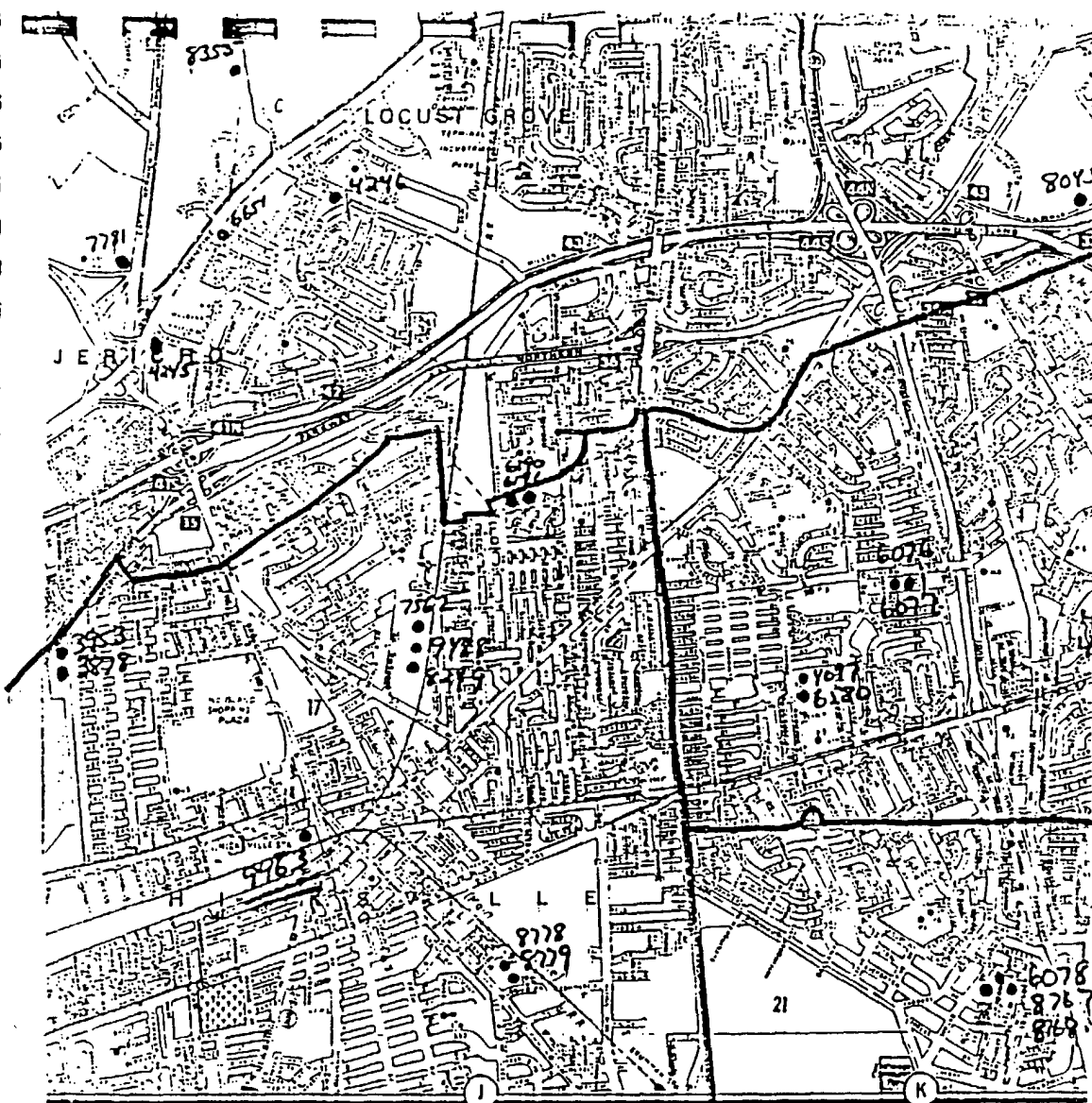
FOR ADJOINING AREA SEE MAP 11 PAGE 40

SERVING:
HICKSVILLE
PLAINVIEW
BETHPAGE
FARMINGDALE
SUN REALTY

OLD BETHPAGE
JERICHO
SYOSSET
931-0556

REAL ESTATE
ATTORNEY
HOUSE CONTRACT
& CLOSING \$200
**JACOB S.
ZIMMERMAN**
268 N. BOVY,
HICKSVILLE

SYL00114840



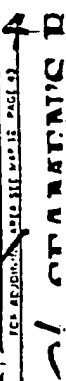
FOR ADJOINING AREA SEE MAP 11 PAGE 41



jerry spiegel associa

• OFFICES • INDUSTRIALS • STORES •

270 North Broadway, Hicksville, L.I.
(516) WEB-6240



50



REFERENCE 10

SYL00114842

SITE INSPECTION REPORT

NYSDEC SITE NO. : 130029

SITE NAME: A.G.O. Associates

SITE LOCATION: 499 West John Street
Hicksville, New York

DATE OF INSPECTION: Friday, February 3, 1989

WEATHER: Wet, 40° F

SITE STATUS: Active

YEARS OF OPERATION: 1960s to present

AGENCY PERFORMING
INSPECTION: YEC, Inc., NYSDEC's subcontractor

INSPECTED BY: Marie McDonnell, Staff Geologist
Gregory Fabijanec, Staff Engineer

SITE REPRESENTATIVES
INTERVIEWED: Richard Sangiovanni, Asphalt Plant Manager
Richie, Visitor

The site inspection at A.G.O. Associates included the following:

- (1) An interview with site representatives;
- (2) Ambient air monitoring onsite using an HNu photoionization detector;
- (3) A visual inspection of the site to determine locations of structures, equipment, fences, and to search for suspicious drums, tanks or similar signs of hazardous waste released to the environment; and
- (4) Photodocumentation of the site.

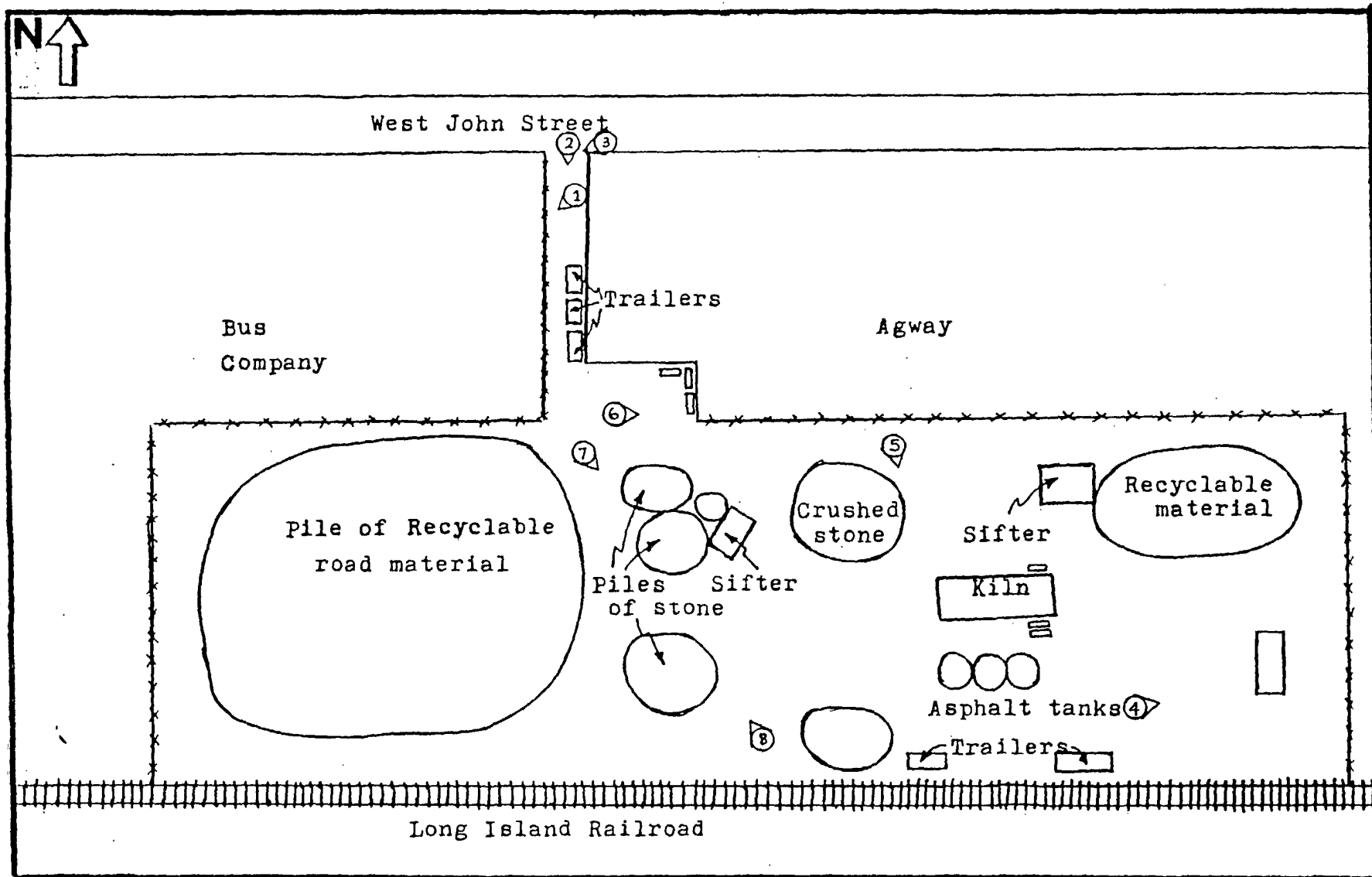
At 9:00 am, Gregory Fabijanac and Marie McDonnell went to Nassau County Department of Health offices to review the files for A.G.O. Associates site on West John Street, Hicksville, New York.

At 10:00 hrs, following the file search, YEC personnel visited the site which is now owned by Twin County Asphalt Corporation to perform the site inspection. Two site representatives were interviewed - Richard Sangiovanni, Asphalt Plant Manager and a "visitor" by the name of "Richie" who preferred to remain anonymous. They expressed that they had never heard of A.G.O. Associates or had any knowledge of their previous ownership of the property. Mr. Sangiovanni stated that it was thought that a concrete plant company previously owned the site, having inquired from other employees on the subject of A.G.O. Associates. The inspection was performed accompanied by Mr. Sangiovanni.

The site has an entrance off West John Street and is bordered to the south by Long Island Rail Road (Figure A). The site is located in a commercial/industrial area. With the exception of the southern boundary, the property is fenced. The area has been elevated with blend fill and leveled to provide a road bed for trucks and equipment. The facility's slope is approximately 0 - 2 percent. Presently Twin County Asphalt Corporation use the site for two basic operations - for asphalt generation and for crushing. The crushing operation has been going on for

SYL00114844

SYL00114845



A.G.O. ASSOCIATES
HICKSVILLE, NEW YORK

FIGURE A: SITE SKETCH
(not to scale)

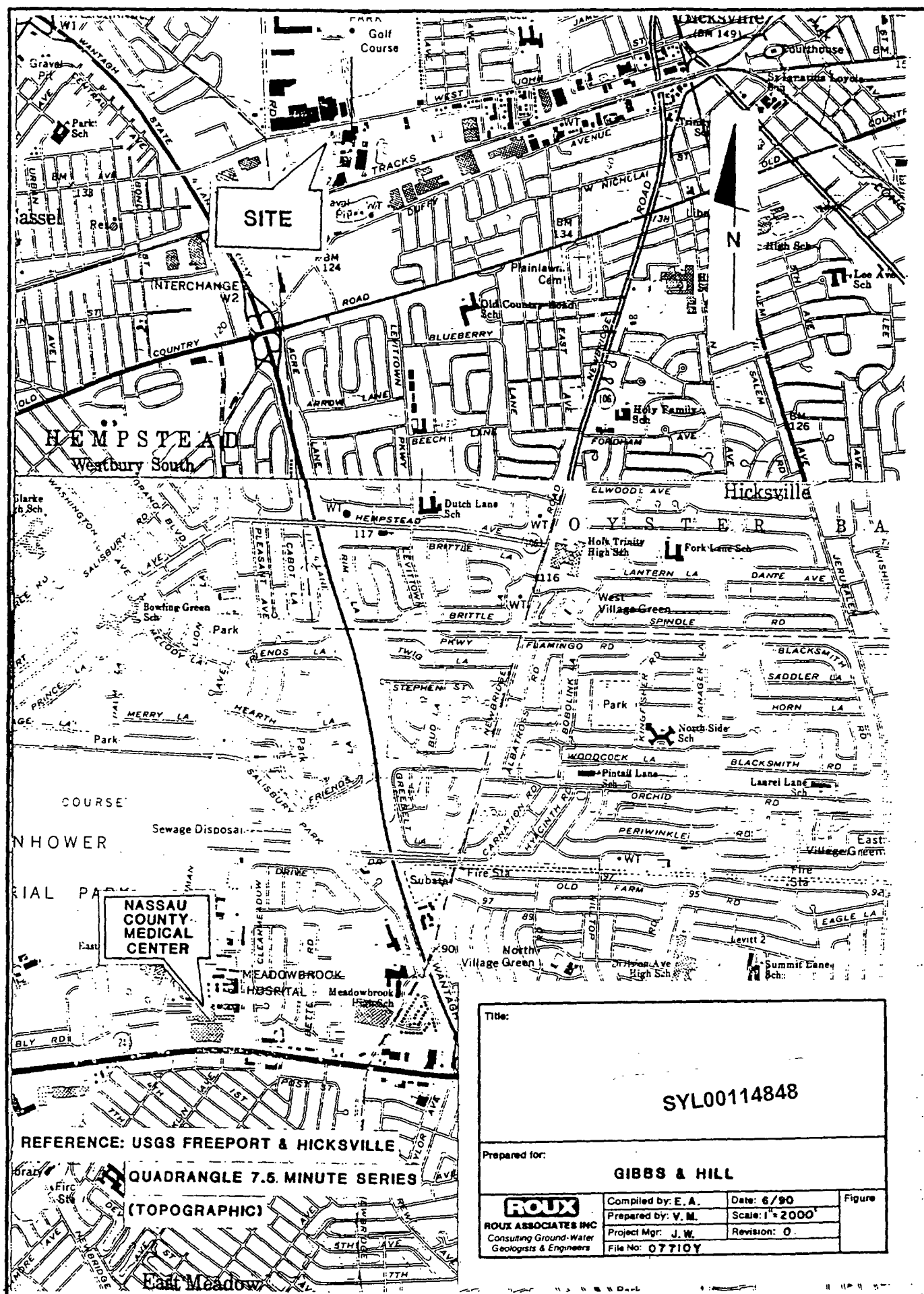
approximately 10 years. Old road bases forming large piles onsite are ground down to form a coarse aggregate and used for new road bases. Towards the rear of the site, a large kiln, oil storage tanks and asphalt storage tanks are utilized for asphalt production which has also been part of recycling operation since 1983.

During the site inspection, no suspicious hazardous waste disposal sites were observed. Photodocumentation of the site inspection is presented in Appendix A. Air monitoring was conducted throughout the site, upwind and downwind of the areas of concern, using an HNu photoionization detector. No readings above background were noted during the site visit.

SYL00114846

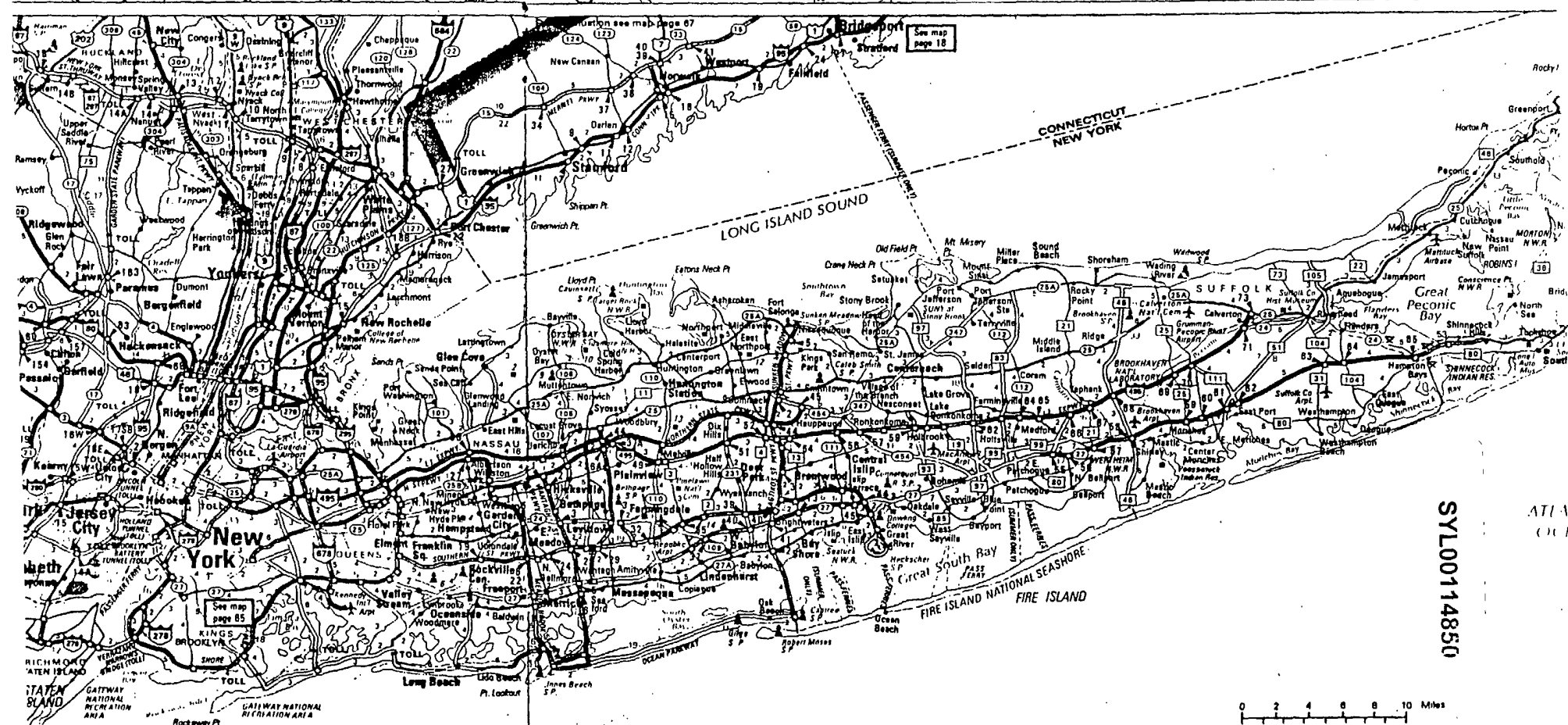
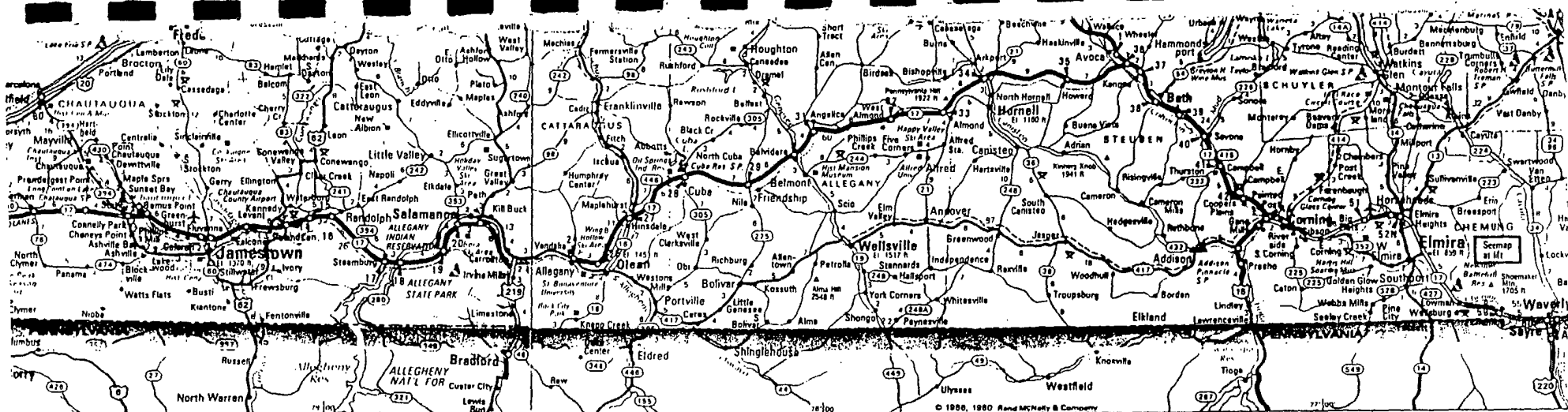
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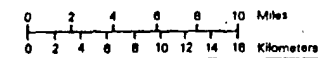
REFERENCE 12

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SYL00114850

ATI-A
CUB



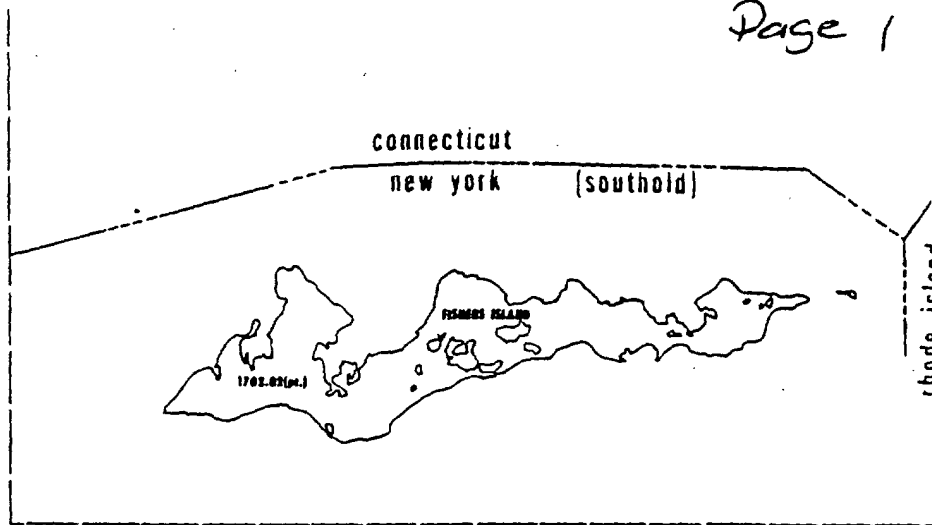
REFERENCE 13

Located in NYSDEC Files

SYL00114851

REFERENCE 14

SYL00114852

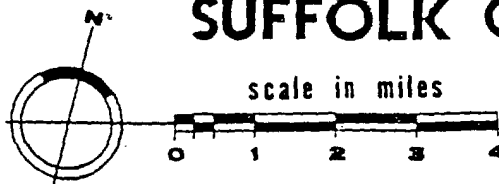


Block Island Sound

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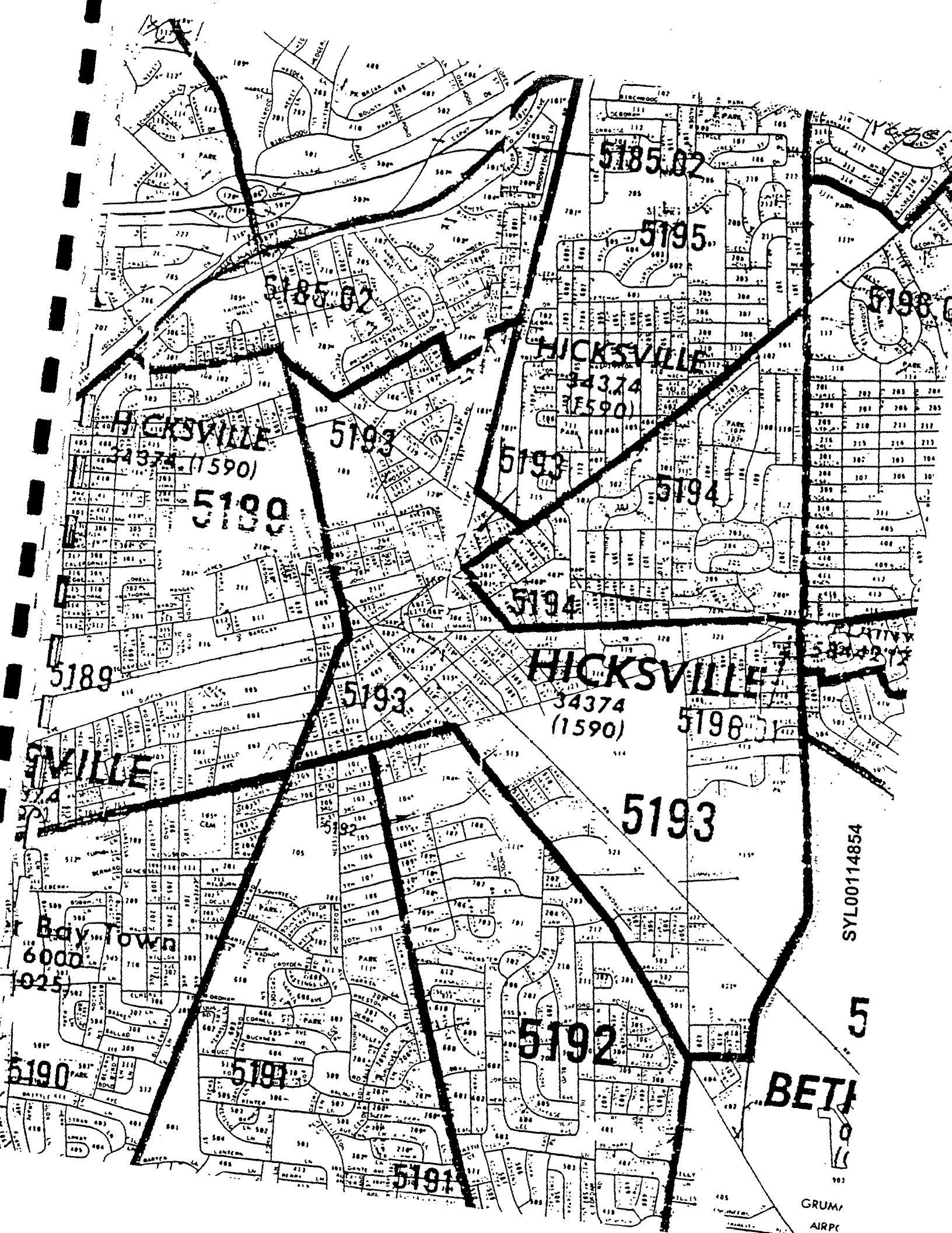
CENSUS TRACTS — 1980

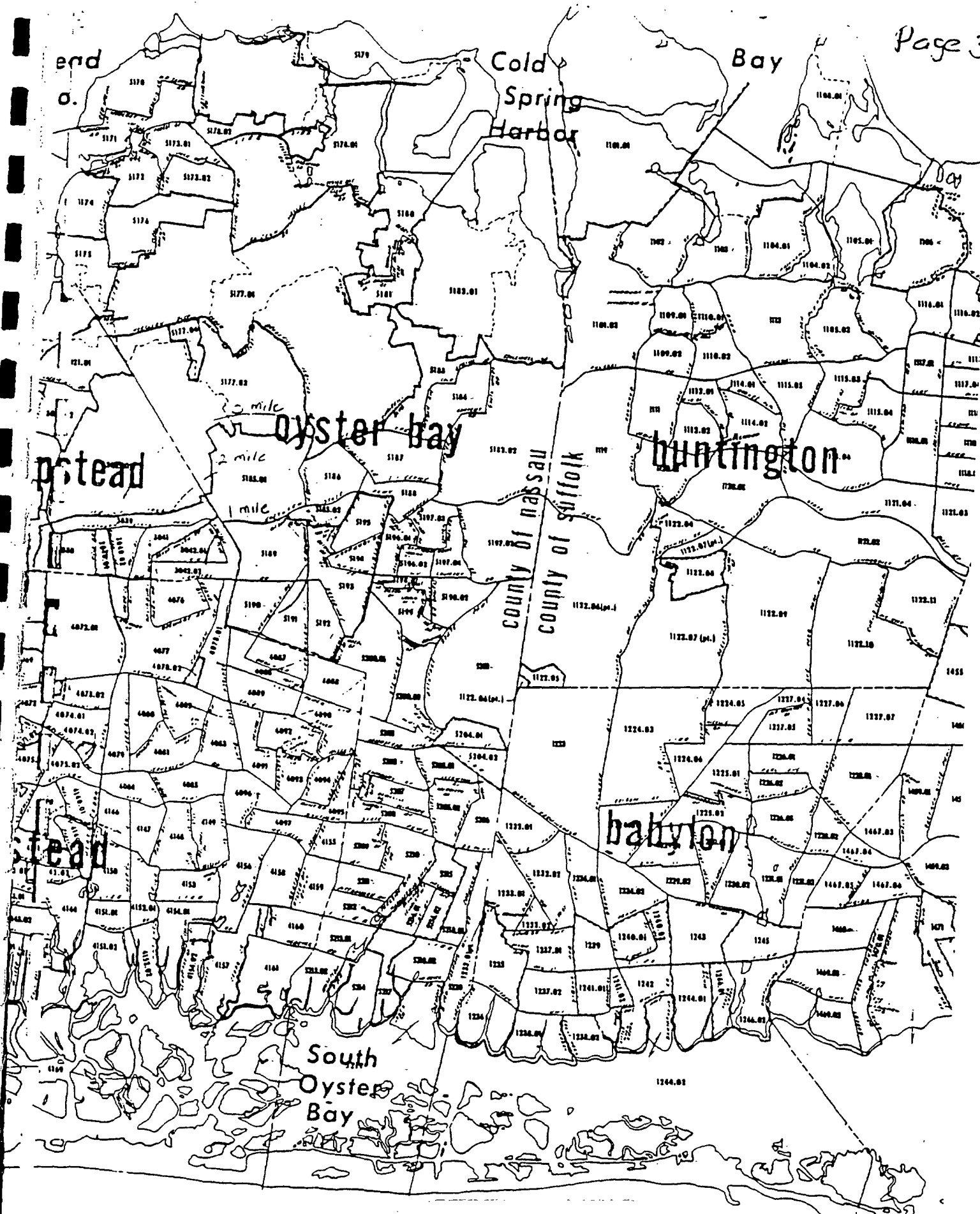
NASSAU COUNTY
SUFFOLK COUNTY



long island
new york

LONG ISLAND REGIONAL PLANNING BOARD





REFERENCE 15

SYL00114856

INVESTIGATION OF CONTAMINATED AQUIFER SEGMENTS
NASSAU COUNTY, NEW YORK

JUNE 1986

NASSAU COUNTY DEPARTMENT OF HEALTH
AND
DVIRKA AND BARTILUCCI, CONSULTING ENGINEERS
SYOSSET, NEW YORK

SYL00114857

It is probable that the majority of groundwater contamination in Garden City Park originates from an industrial area along and west of Herricks Road and north of the Long Island Railroad. Although upgradient wells do not isolate the area source of contamination, downgradient wells essentially all exhibit contamination (greater than 100 ug/l total volatile organics). Other sources located in industrial areas along the railroad, however, may also be contributing factors.

The one existing water supply well in the immediate vicinity of the study area is slightly contaminated with organic compounds (10 ug/l). Although data is limited with regard to deep monitoring wells in this area, one monitoring well 100 feet below the surface indicates that the upper Magothy shows significant contamination (up to nearly 200 ug/l total organic compounds). Since Garden City Park is part of the Magothy recharge area, there is the potential for further contamination of water supply in the future.

o West Hicksville - Some significant (maximum of 6,800 ug/l) and extensive contamination of groundwater was found in the area of West Hicksville. Although there are no upgradient monitoring wells, it appears based on land use that contamination is originating from the industrial area along West John Street and Duffy Avenue parallel to the Long Island Railroad. A number of

X waste disposal violations and spills have been reported in this area. Based on data obtained from deep monitoring wells in the area, contamination (approximately 2,700 ug/l total volatile organics) has migrated into the Magothy aquifer up to 265 feet below the surface. Although no water supply wells within and downgradient of the study area are presently contaminated with organic chemicals, there is a potential threat to water supply wells in the Bowling Green Water District. Clay layers that would impede contaminant migration are identified in deeper wells in West Hicksville, however, the stratigraphic continuity is unknown.

- o New Hyde Park - Significant, but limited contamination of groundwater has been reported for existing wells in this area (maximum of 3,600 ug/l). Wells installed as part of this project detected little or no contamination. There is substantial industrial land use in New Hyde Park that could be contributing to groundwater contamination. Additional information is needed at this site to determine sources and extent of the contamination.

There were no deep monitoring wells installed as part of this investigation in the New Hyde Park area; therefore, there is limited data with regard to vertical contaminant migration and contamination of the upper Magothy aquifer. However,

CONTAMINATION CATEGORIES FOR ORGANIC CHEMICALS

<u>Category</u>	<u>Total Volatile Organics* (ug/l)</u>	<u>Individual Chemicals* (ug/l)</u>
Ambient/Near Ambient	ND-10	ND-5
Contaminated	10-100	5-50
Significant Contamination	100-1000	50-500
Gross Contamination	>1000	>500

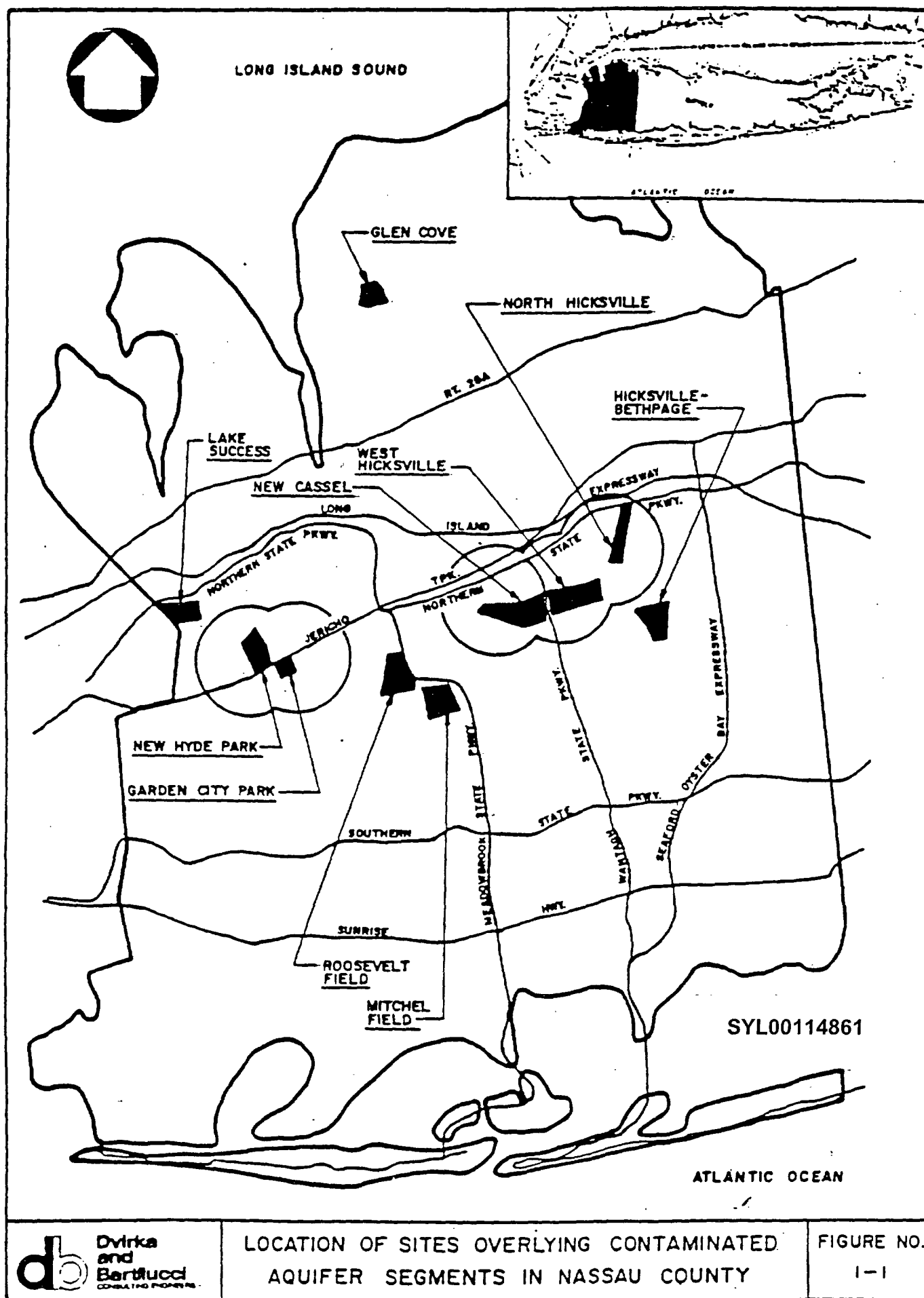
*Drinking Water Guideline (100 ug/l for total volatile organics and 50 ug/l for an individual compound except for benzene and vinyl chloride for which the guideline is 5 ug/l)

As a result of this evaluation and chemical inventory information obtained from industrial surveys conducted by NCDH, ten areas of significant groundwater contamination by organic chemicals were identified in Nassau County. These areas are:

1. Mitchel Field
2. Roosevelt Field
3. Glen Cove
4. Hicksville-Bethpage
5. Lake Success
6. North Hicksville
- * 7. West Hicksville
8. New Cassel
9. New Hyde Park
10. Garden City Park

Locations of these areas are shown in Figure 1-1.

SYL00114860



expanded during Phase II. New Hyde Park well NHP-3, however, was raised 12 feet in order to sample a higher portion of the aquifer immediately below the water table. It was felt that this well, which was contiguous and downstream of an auto wrecking yard, may have been screened too deep and missed picking up contamination.

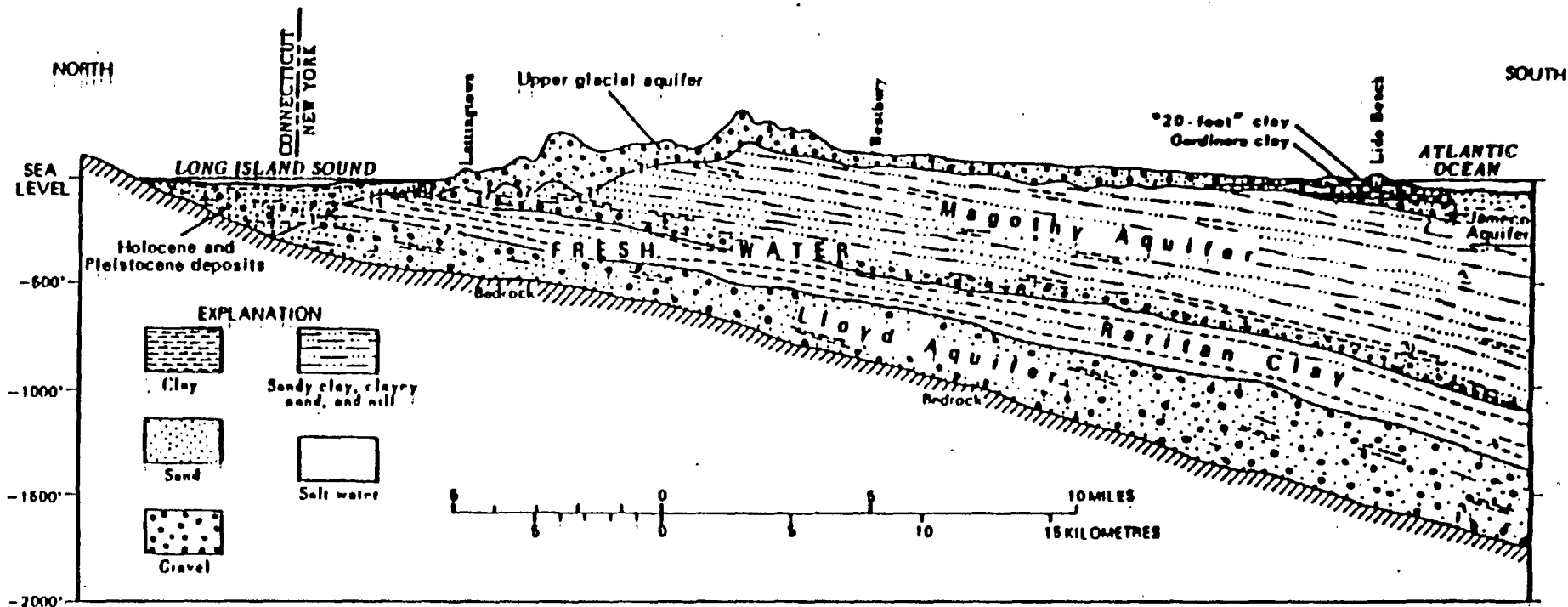
Phase II well locations were chosen within the industrial areas where more information was needed in view of the Phase I results and potential sources. In addition, wells were placed further downgradient in an attempt to define the extent of contamination, as well as upgradient of the areas under study to obtain background information.

All wells were located on public land or municipal water supply property because of the potential legal and time constraints inherent in attempting to gain access to private property.

1.4 Regional Hydrogeologic Setting

* The aquifer system underlying Nassau County (Figure 1-2) is composed of three main water bearing units: the glacial, Magothy and Lloyd formations. These aquifers are hydraulically connected throughout, and the glacial and Magothy aquifers act as recharge for underlying units. The upper glacial aquifer, although not generally used for drinking water due to widespread contamination, is important because it serves as recharge for all underlying aquifers in the central portion of the County.

LONG ISLAND



Generalized section in central Nassau County showing principal aquifers and confining units (after Perlmutter and Geraghty, 1963, fig. 3).

SYL00114863

Page 8

present land surface, except where they are locally overlain by thin deposits of Holocene age. The deposits in Nassau County are generally highly permeable glacial outwash consisting of stratified sand and gravel and occasional thin clay beds. The saturated upper glacial aquifer is about 100 feet thick in the study area. Depth of the vadose or unsaturated zone in the County ranges from about 125 feet in the northern portion to about 20 feet along the south shore.

Water table contours and shallow groundwater flow in the study area are shown in Figure 1-3. The flow direction in the eastern Nassau County is northeast in the area north of the groundwater divide and almost due south, south of the divide. Towards the western part of the County the groundwater follows a general northwest and southwest flow pattern north and south of the groundwater divide respectively.

Groundwater flow in the Magothy aquifer (Figure 1-4) is similar to the shallower flow regime.

Groundwater in the Lloyd aquifer in eastern Nassau County flows in a northern direction, north of the groundwater divide and south of the divide in a more westward direction with less southerly components than the shallower flow regimes (Figure 1-5). In the western portion of the County, groundwater flow is in a westerly direction, both north and south of the divide.

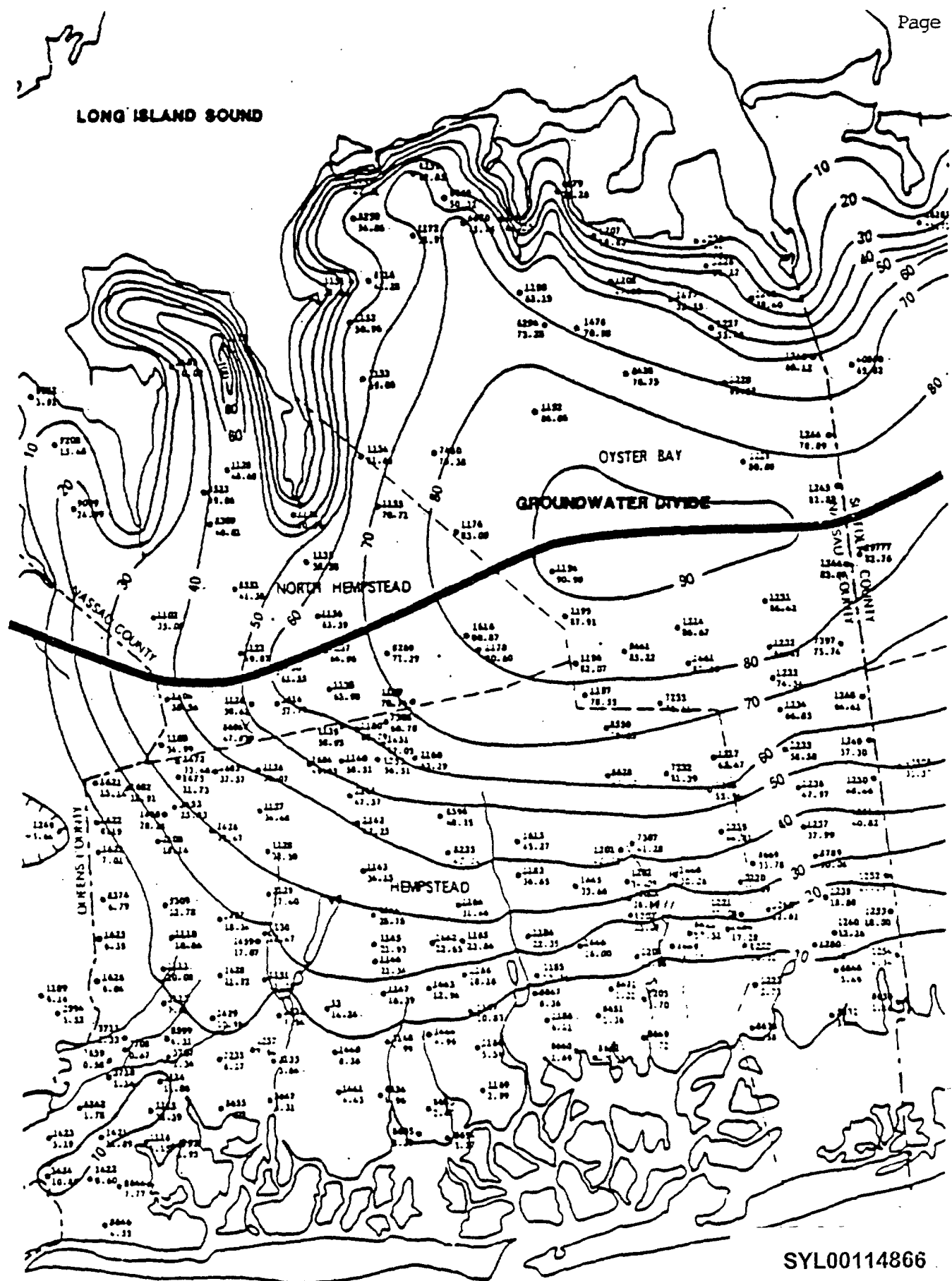
Because this groundwater system is the only source of drinking water for Nassau County (as well as Suffolk County), it has been designated a Sole Source Aquifer by the United States Environmental Protection Agency (USEPA).

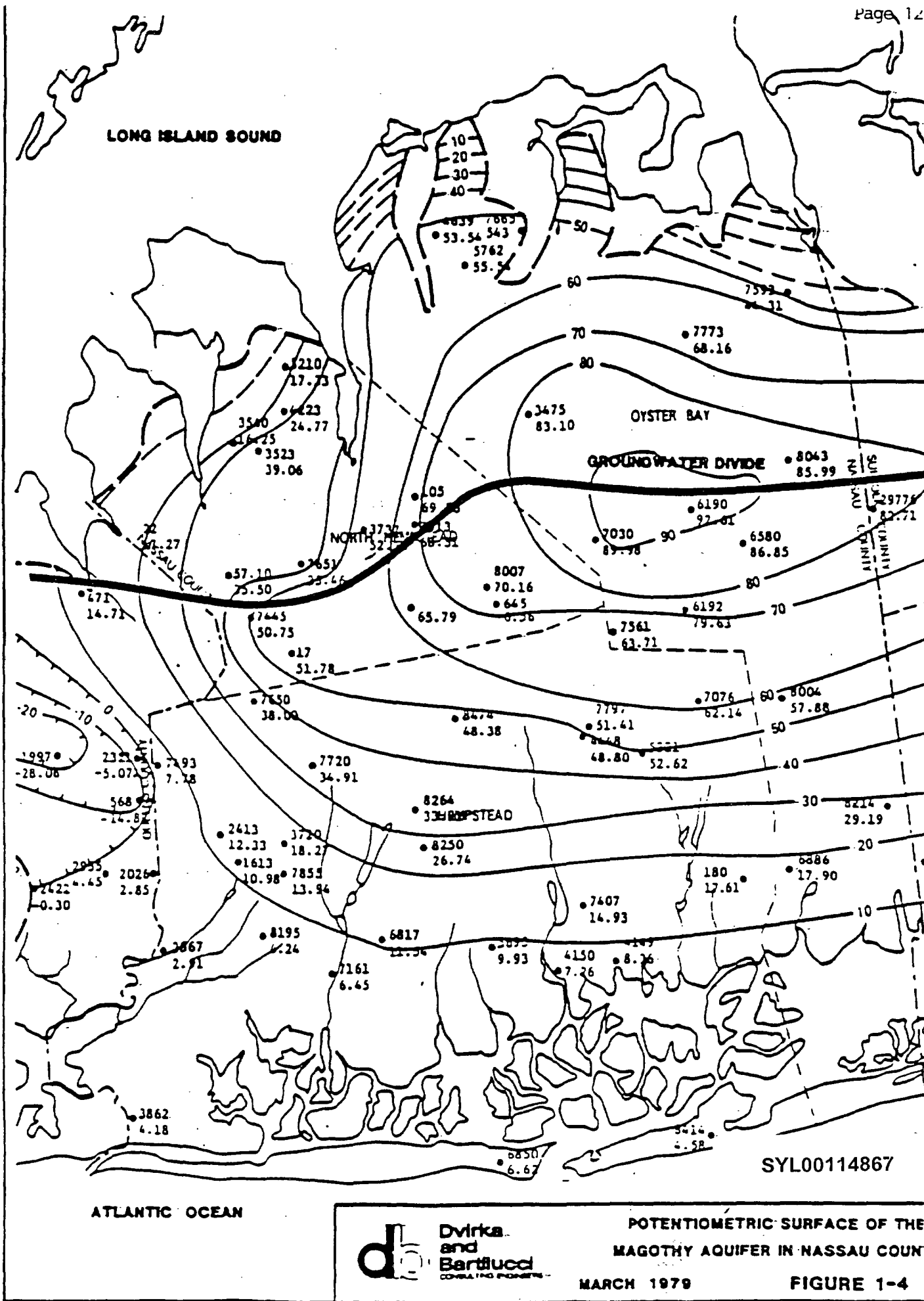
1.5 Regional Groundwater Quality

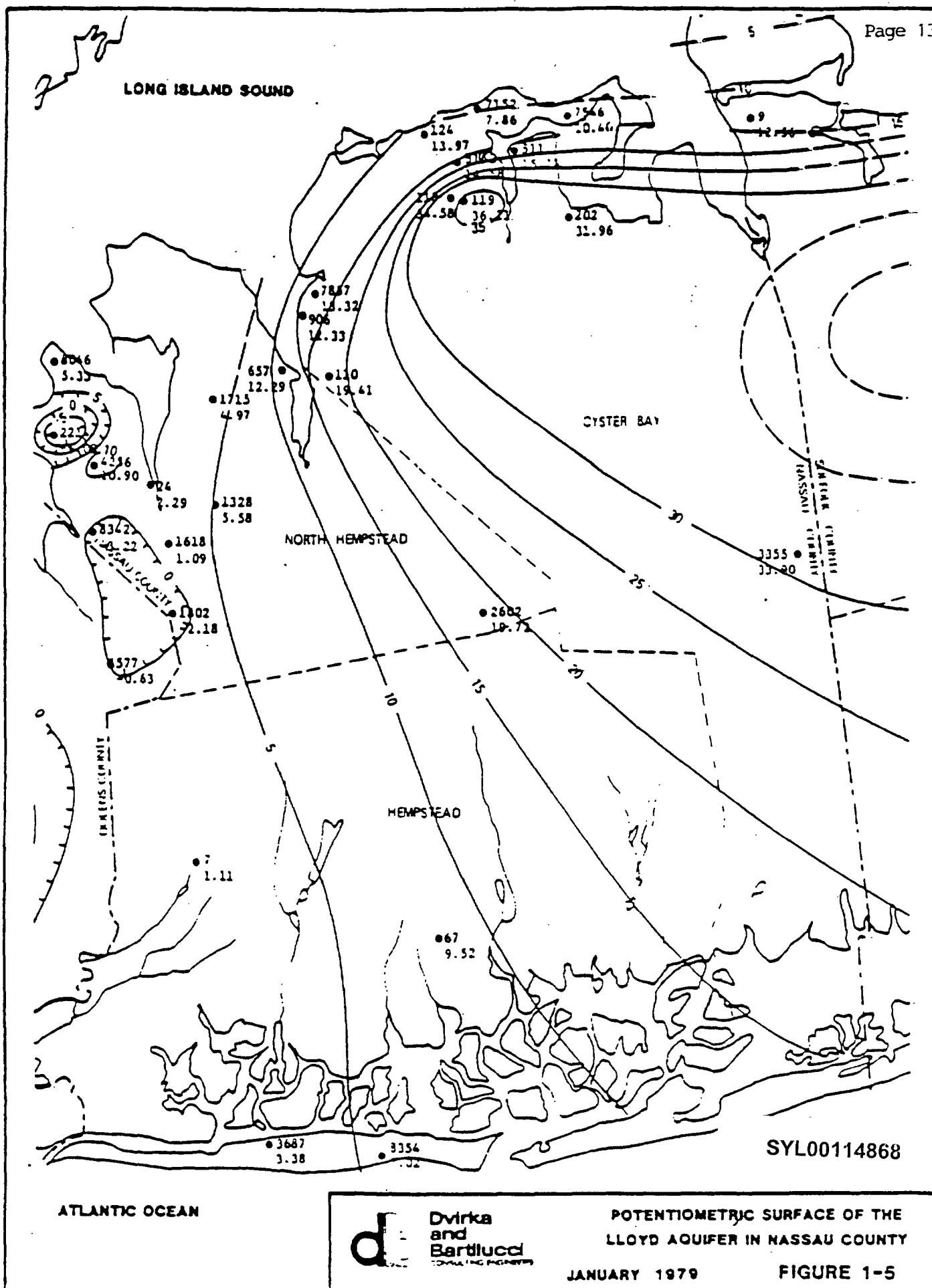
In Nassau County there are four groundwater contaminants of concern; these being nitrate, chloride, heavy metals and synthetic organic chemicals. (A fifth is iron; however, this is a naturally occurring contaminant and is not included in this discussion.)

Nitrate contamination of the glacial aquifer in Nassau County is widespread geographically and extends into the Magothy formation. Levels in many locations of the glacial aquifer, except for the extreme south shore and limited areas on the north shore, exceed the drinking water standard of 10 milligrams per liter (mg/l). Nitrate contamination of groundwater is caused primarily by onsite sewage disposal, lawn fertilizer application and past agricultural practices.

In the Magothy aquifer, elevated concentrations of nitrates are found in the central portion of the County where there is natural recharge of the Magothy from the overlying glacial aquifer, which is enhanced by heavy water supply pumpage by Magothy wells. Areas with elevated concentrations are in the







Because of the limited amount of available data, the extent of groundwater contamination cannot be assessed. However, there seems to be a definite threat to water supply wells down-gradient. Jamaica water supply well N7650 exceeds NYS drinking water guidelines for organic chemicals. Both wells, N7649 and N7650 exceed USEPA proposed maximum concentration limits of 5 ug/l for trichloroethylene. Water from both of these wells is being treated by air stripping before distribution. Additional wells are needed both down and upgradient of N8026 to define the extent and source of contamination by trichloroethylene in this area.

3.5 West Hicksville

3.5.1 Site Description

The area identified as West Hicksville in this report is located east of the Wantagh Parkway, west of North Broadway, north of Stewart Avenue and south of the Northern State Parkway in the Town of Oyster Bay (Figure 3-1). Monitoring wells installed as part of this investigation are shown in Figure 3-14.

There are ten monitoring wells located in the West Hicksville area. Most of the wells are clustered centrally between Duffy Avenue and Old Country Road.



TABLE 3-10

INDUSTRIAL PROFILE OF WEST HICKSVILLE

Source: NCHD Industrial Survey Program

<u>Name</u>	<u>Location</u>	<u>Organic Chemicals Used</u>	<u>Amount Used Stored, Disposed, etc. Since 1977</u>
Amperex Electronic Co.	230 Duffy Ave.	Benzene 1,1,1 trichloroethane	20 gals/yr 5,375 gals/yr
Four Star Association Inc.	260 Duffy Ave.	Methylene chloride	55 gals/yr
MHI Knitware Ltd.	270 Duffy Ave.	1,1,1 trichloroethane	55 gals/yr
Maganosonic Devices Inc.	290 Duffy Ave.	1,1,1 trichloroethane	660 gals/yr
Depew Mfg. Corp.	359 Duffy Ave.	Benzene Toluene	
Dyna Magnetic	200 Frank Rd.	Trichloroethylene	200 gals/yr
Model Communication	307 W. John St.	Trichloroethylene	10 gals/yr
Nestor Systems Inc.	489 W. John St.	Trichloroethylene	10 gals/yr
Universal Shallac and Supply Co.	495 W. John St.	Trichloroethylene	325 gals/yr
General Instrument Corp.	600 W. John St.	Trichloroethylene	3,600 gals/yr
Micro Contacts Inc.	62 Alpha Pl.	1,1,1 trichloroethane	1,920 gals/yr

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TABLE 3-10 (continued)

INDUSTRIAL PROFILE OF WEST HICKSVILLE

Source: NCHD Industrial Survey Program

<u>Name</u>	<u>Location</u>	<u>Organic Chemicals Used</u>	<u>Amount Used Stored, Disposed, etc. Since 1977</u>
Anchor Lithkemko	500 W. John St.	Methyl chloride 1,1,1 trichloroethane	
Metco	325 Duffy Ave.	Trichloroethylene Tetrachloroethylene Methylene chloride Trichlorotrifluoroethane	Varying quantities 50 - 400 gals/yr

SYL00114872

is located on Duffy Avenue. It is a municipal facility owned by New York State Department of Parks and Recreation and accepts agricultural waste, sweepings, rubbish and leaves.

There were several reported complaints concerning organic chemicals filed with the Nassau County Department of Health in the area of West Hicksville.

- o A spill in February 1982 by Mattiace Petrochemicals involved the discharge of methyl ethyl ketone (MEK) contaminating both the surrounding soil and groundwater. In September 1982, USEPA issued an Administrative Order to have Mattiace clean up the contaminated soil and groundwater. The firm complied with the cleanup order for five months (from May to October 1984) until the project was terminated due to lack of funds. Based upon this situation and the magnitude and severity of the spill, NYSDEC is requesting that EPA consider this site as a possible Federal Superfund Site. EPA is currently pursuing an administrative lawsuit against Mattiace Petrochemical and is continuing routine monitoring of the site.
- o In February 1984, Alsy Manufacturing located on Duffy Avenue was found discharging metals and volatile organic chemicals into leaching pools. NYSDEC issued an Abatement Order in April 1985 requiring that all discharges not in compliance with standards be immediately terminated and removal of all wastes

from onsite leaching pools be undertaken. Cleanup of contaminated leaching pools was completed in May 1985. As of December 1985, Alsy Manufacturing had not fully complied with all requirements of the Abatement Order. The case has been referred to the State Attorney General's office for criminal prosecution and is currently under investigation by DEC and the Attorney General's office.

- o A complaint against General Instrument (located at 600 West John Street) involved the contamination of soil caused by a leaking underground storage tank containing organic chemicals. General Instrument voluntarily commenced cleanup activities. By February 1984, a cleanup system had been installed and operated. Further testing by NYSDEC in August 1985 indicated inadequate operation. General Instrument was advised to alter the cleanup system which is now in the process of being completed. The case is currently under the supervision of the DEC Division of Solid and Hazardous Waste as a State Superfund site.
- o Depew Manufacturing (located at 359 Duffy Avenue) was found to be discharging fiberglass containing styrene and aluminum to an open leaching lagoon. Voluntary action by Depew involved the bagging, removal and offsite disposal of the contaminated material to an approved waste disposal site.

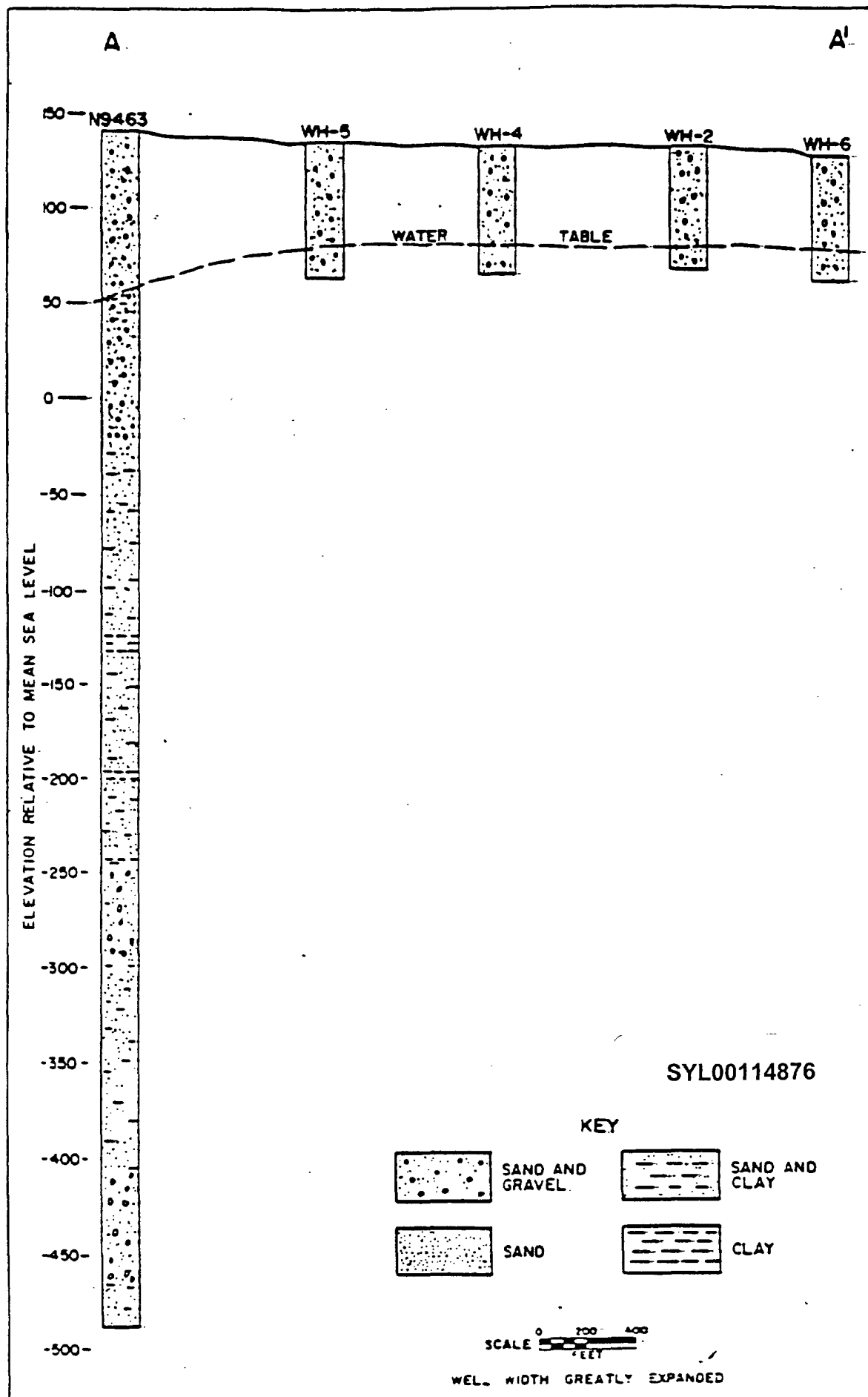
In addition to these possible contamination sources, an industrial profile in West Hicksville (1977-1985) along with estimated organic chemical usage and handling is provided in Table 3-10.

3.5.2 Geology

The wells installed as part of this groundwater investigation in the western part of Hicksville all tap the upper glacial aquifer. A hydrogeologic cross section is shown in Figure 3-15. The sediments encountered during drilling are unstratified deposits of sand and gravel. The USGS estimates the thickness of the upper glacial aquifer to be between 50 and 100 feet in this area. The lithologic log for Well N9463 (638 feet deep) describes sand, grit and gravel to 155 feet. Several clay layers are also described ranging in thickness from one to 15 feet thick.

The lithologic log for N8880 (247 feet deep) describes sand, grit and gravel for the first 62 feet. A significant clay layer exists between 70 and 98 feet below the surface. Smaller layers of clay are also described for this well, but are reported to be less than two feet thick.

The areal extent of these clay layers is unknown. They do not demonstrate clear stratigraphic continuity in wells N8880 and N9463.



SYL00114877

CANTUAGUE PARK

TOWN OF
OYSTER
BAY
HICKSVILLE

JONES
HILL

76.47

76.10

86.03 (not used)

77.57

77.14

N.A. destroyed

78

MEASUREMENTS TAKEN MARCH 10, 1986

SCALE 0 400 800
FEET

3.5.3 Hydrology

The regional flow pattern of the glacial aquifer in West Hicksville is towards the south and southwest. Static water level measurements from wells installed as part of this investigation generally follow this trend. One exception is WH-3 which appears to be on a local groundwater mound. Water levels in this well are reported to be ten feet above the other wells in the area in both sets of water level measurements taken from last year and this year. The cause of this groundwater mound is unknown. There is no recharge basin or reported injection well in the area or any other known reason for the high values. Because of the extremely high reported static water level, this value may be the result of a survey error and is discarded in the definition of the local flow regime. A map showing water level contours is provided in Figure 3-16. Additional data is needed at this site to more accurately determine groundwater flow.

There were no deep wells drilled in the West Hicksville area, therefore, the vertical component of groundwater is unknown. However, based on regional information, this area is part of the Magothy recharge zone.

3.5.4 Analytical Results and Findings

This preliminary contamination assessment is based upon at most three samples for each well taken between March 1984 and

December 1985. Six wells were installed as part of this project, in addition to the four existing water supply wells and monitoring wells in the West Hicksville area. Analytical results for these wells are tabulated in Table 3-11 and a summary of water quality for total organic chemicals is provided in Table 3-12. A graphic representation of total volatile compounds is illustrated in Figure 3-17.

Analytical data for wells WH-1 and WH-4 reported almost nondetectable amounts of total volatile organic compounds. Each well had a maximum detected value of 4 ug/l for total organic compounds for three sets of samples.

Well WH-2 has a median value of 12 ug/l of 1,1,1-tri-chloroethane reported (the only compound detected). Wells WH-1, WH-4 and WH-3 are all below NYS Drinking Water Guidelines for organic chemicals.

Analytical results for Well WH-3 increased by an order of magnitude between sets of samples. Reported values for total organics increased from 688 ug/l to 6,844 ug/l in less than eight months. Additional data is needed for WH-3 to determine a consistent value or an increasing trend.

Analytical results for wells WH-5 and WH-6 also fluctuated between samples. Well WH-5 increased from 116 ug/l to 640 ug/l total organic compounds. Analytical results for WH-6

reported 193, 64 and 319 ug/l for total volatile organics. Although wells WH-3, WH-5 and WH-6 exceed NYS Drinking Water Guidelines for organic compounds, additional data is also needed for these wells to determine consistency and trends.

In addition to the six monitoring wells installed as part of this investigation, four other wells (one water supply and three monitoring) exist in the West Hicksville study area. Analysis was based upon one sample obtained from each well and it was assumed that this information is representative. These four additional wells are N8880, N9341, N9917 and N9463. The analytical results for total organic compounds are 175, 2,691, 2 ug/l and non-detected, respectively. Well N-9463 is a water supply well (638 feet deep) in which no volatile organics were detected. The other three wells are: a Nassau County observation well (N9917) which is 73 feet deep, and two industrial wells (N8880 and N9341) which are 247 feet and 265 feet below ground surface, respectively. Based on these results, significant contamination has migrated into the Magothy aquifer up to at least 265 feet deep.

A principal contaminant in the wells is 1,1,1-trichloroethane. The largest concentration of 1,1,1-trichloroethane (5,400 ug/l) was detected in well WH-3. There are three industrial firms located less than a quarter of a mile upgradient of this well that report using significant quantities of this chemical. 1,1,1 trichloroethane may also have been used as a cesspool and drain cleaner prior to sewerage.

Concentrations of 1,1,1-trichloroethane are not as high in the deeper wells. This contaminant is found up to 16 ug/l in wells 265 feet below land surface. The primary contaminant in the deeper wells is trichloroethylene.

Analytical results for well N8880 report elevated concentrations of trichloroethylene (150 ug/l), and well N9341 located about 2,000 feet north of this well reported 1,600 ug/l of this same chemical. Both wells are of similar depth (about 250 feet), which indicates that contamination has migrated into the Magothy aquifer. Because N9341 is not directly upgradient of N8880, the source of contamination is likely to originate from different sources.

Several firms in the vicinity of well N9341 are reported using up to 3,600 gallons per year of trichloroethylene. Two firms in the immediate vicinity had leaking underground storage tanks containing organic solvents and chemicals. However, because of the depth of more than 250 feet below land surface, it is more probable that the contamination source is located upgradient of the study area.

There is only one water supply well (N9463) located in the West Hicksville study area. Since most of the contaminated wells are located in the southern and western regions downgradient of the supply well, it appears that contamination of groundwater in West Hicksville does not pose a serious threat to this well.

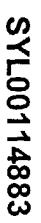
There are, however, two wells located southwest of Hicksville in the Bowling Green Water District, which may be downgradient of a portion of the contaminated aquifer segment. These wells, N8956 and N8957, contain less than detectable limit of organic compounds at the present time. There are several clay layers described in the lithologic logs for the deeper Hicksville wells which could impede the migration of contaminants, however, the areal extent and stratigraphic continuity of the clay is unknown. Without more site specific hydrogeologic information it is assumed that the contaminated groundwater in West Hicksville could pose a serious threat to the water supply wells downgradient.

3.6 North Hicksville

3.6.1 Site Description

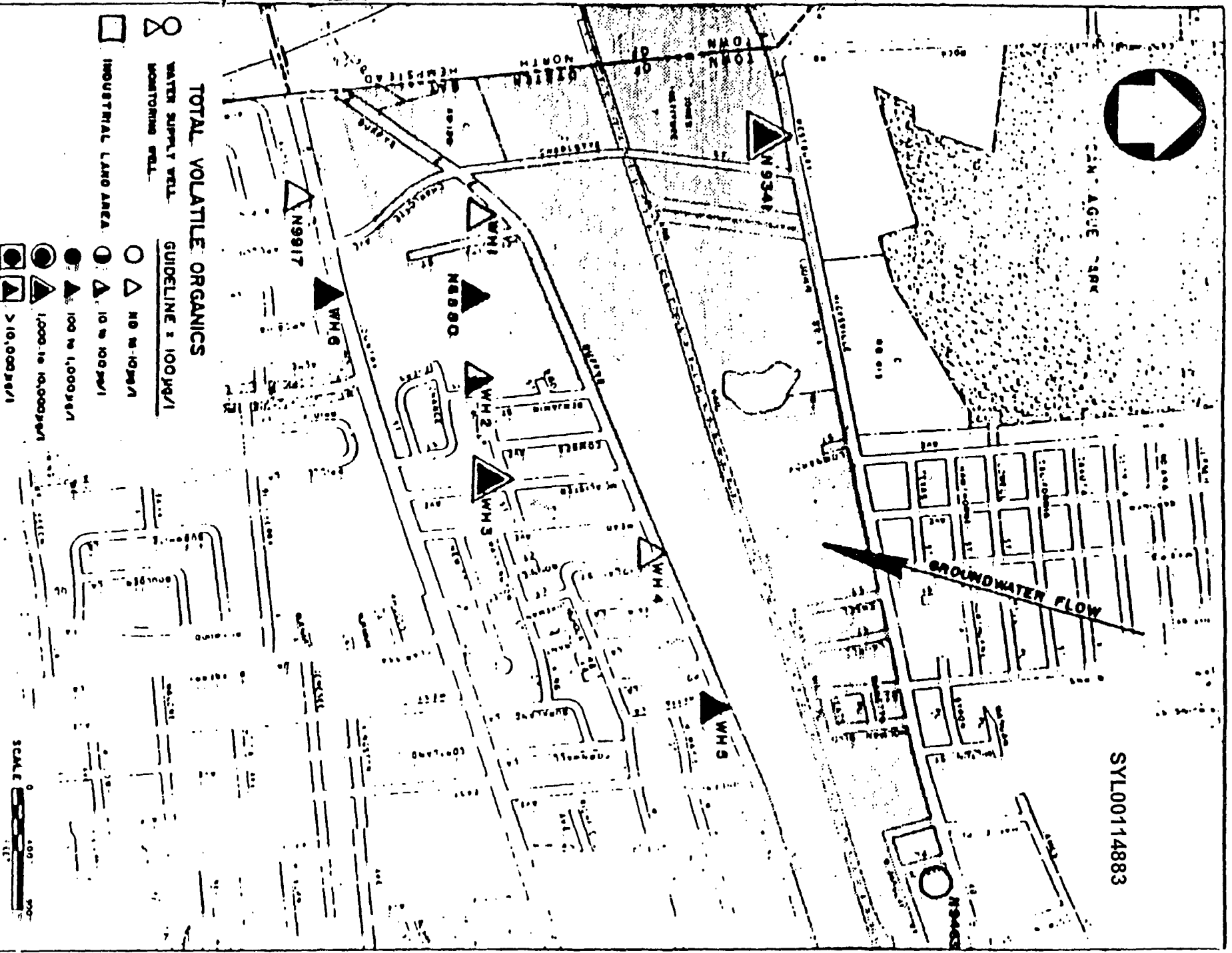
The North Hicksville area (Figure 3-1) is defined as the region east of North Broadway and west of South Oyster Bay Road. The northern border extends to the Northern State Parkway and the southern border extends southward towards Old Country Road. Locations of wells in this study area and land use are shown in Figure 3-18.

The major land uses are residential, commercial and industrial. The area located along the eastern border is considered to be intermediate density residential consisting of



611-4613-388

GROUNDWATER FLOW



**Dykes
and
Barthel**
ATTORNEYS AT LAW

WEST HICKSVILLE
WATER QUALITY-TOTAL VOLATILE ORGANICS

FIGURE NO.

TABLE 3-12

WEST HICKSVILLE - CONTAMINATED AQUIFER SEGMENTS
 TOTAL ORGANIC COMPOUNDS
 DATA SUMMARY
 (ug/l)

<u>West Hicksville</u>	<u>Depth*</u> <u>(Feet)</u>	<u>Mean</u>	<u>Range</u>	<u>Median</u>	<u>Number of</u> <u>Data Points</u>
WH-1	60	1	0-4	0	3
WH-2	63	12	8-16		2
WH-3	64	3766	688-6844		2
WH-4	66	2	0-4	1	3
WH-5	72	378	116-640		2
WH-6	64	192	64-319	193	3
N8880	247	175			1
N9341	265	2691			1
N9463	638	0			1
N9917	73	2			1

Note: The first sample after well development was discarded in this data summary when more than one well analyses exist

* Below ground surface

TABLE 3-11

ANALYTICAL RESULTS - WEST HICKSVILLE - GROUNDWATER QUALITY

WELL NUMBER-----	MH-1	MH-1	MH-1	MH-1	MH-2	MH-2	MH-2	MH-3	MH-3	MH-3	MH-4	MH-4	MH-4
WELL DEPTH-----	60	60	60	60	63	63	63	64	64	64	66	66	66
SAMPLE DATE-----	10/16/84	12/5/84	4/1/85	12/18/85	12/5/84	4/1/85	12/18/85	12/5/84	4/1/85	12/18/85	10/19/84	12/5/84	4/1/85
Trichlorofluoroethane-----	(8)	(1)	(1)	NA	(1)	(1)	NA	(1)	(1)	NA	(8)	(1)	(1)
Methylene Chloride-----)													
1,1,2-Trichlorotrifluoroethane--)	(4)	(10)	(4)	(8)	(10)	(4)	(8)	(10)	(150)	(320)	(10)	(10)	(4)
1,1-Dichloroethylene-----)													
c-1,1,2-Dichloroethylene-----	(10)	(15)	(20)	(14)	(15)		(18)	(15)	(20)	(14)	(10)	(15)	(20)
t-1,2-Dichloroethylene-----						(5)							
1,1-Dichloroethane-----	(15)	(15)	NA	(14)	(15)	NA	(14)	(15)	NA	(14)	(15)	(15)	(10)
c-1,2-Dichloroethylene-----					(20)								
Chloroform-----	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1	1	(1)	(1)	(1)
1,1,1-Trichloroethane-----	(1)	(1)	(1)	(1)	(4)	(8)	(14)	(40)	(460)	(3400)	(1)	(2)	(1)
Carbon Tetrachloride-----	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(10)	(1)	(1)	(1)	(1)
Trichloroethylene-----	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Bromodichloroethane-----	(8)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(8)	(1)	(1)
c-1,3-Dichloropropene-----)													
Dibromochloroethane-----)		(2)			(2)			(2)			(2)	(2)	
1,1,2-Trichloroethane-----)													
c-1,3 Dichloropropene-----)													
Dibromochloroethane-----)	(2)		(1)	(1)		(1)	(1)		(1)	(1)			(1)
1,1,2-Trichloroethane-----)			(2)	(1)		(2)	(1)		(2)	(1)			(2)
1,2-Dibromoethane-----	(10)	(4)	(2)	NA	(4)	(2)	NA	(4)	(2)	NA	(10)	(4)	(2)
Tetrachloroethylene-----	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(17)	(18)	(29)	(1)	(1)	(1)
Bromoform-----	(4)	(8)	(1)	(2)	(8)	(1)	(2)	(8)	(1)	(2)	(4)	(8)	(1)
Benzene-----	(8)	(8)	(4)	(8)	(8)	(8)	(4)	(8)	(8)	(8)	(8)	(8)	(8)
Toluene-----	(8)	(8)	(4)	(4)	(8)	(4)	(4)	(8)	(4)	(4)	(8)	(8)	(4)
Chlorobenzene-----	(8)	(8)	(8)	(8)	(8)	(8)	(4)	(8)	(8)	(8)	(8)	(8)	(8)
Ethylbenzene-----	(8)	(8)	(8)	(4)	(8)	(8)	(4)	(8)	(8)	(4)	(8)	(8)	(8)
Xylene (o,p)-----	(12)	(8)	(8)	(4)	(8)	(8)	(12)	(8)	(8)	(4)	(8)	(8)	(8)
Dichlorobenzene (o,p)-----	(4)	(5)	(4)	(9)	(5)	(4)	(10)	(5)	(4)	(9)	(4)	(5)	(4)
Total-----	(12)	0	(4)	0	(4)	(8)	(14)	(42)	(480)	(4844)	0	(4)	(1)

SYL00114885

NA-Not Analyzed

NR-No Result Due To Technical Reasons

D-No

Ion

P

S

TABLE 9-11

ANALYTICAL RESULTS - WEST HICKSVILLE - GROUNDWATER QUALITY

WELL NUMBER-----	WH-4	WH-5	WH-5	WH-5	WH-6	WH-6	WH-6	WH-6
WELL DEPTH-----	66	72	72	72	64	64	64	64
SAMPLE DATE-----	12/17/83	12/3/84	4/2/85	12/17/85	10/19/84	12/3/84	4/2/85	12/18/85
Trichlorofluoroethane-----	NA	(1	(1	NA	(9	(2	(1	NA
Methylene Chloride-----)								
1,1,2-Trichlorotrifluoroethane--)	(8	(10	(4	(8	(11	(10	(4	8
1,1-Dichloroethylene-----)								
c-1,2-Dichloroethylene-----	(13	(24	(20	(18	(25	(23	(20	(25
t-1,2-Dichloroethylene-----								
1,1-Dichloroethane-----	(14	(25	NA	(14	NR	(44	NA	(27
c-1,2-Dichloroethylene-----								
Chloroform-----	(1	(1	(1	(1	(1	(1	(1	(1
1,1,1-Trichloroethane-----	(1	(29	(4	(11	(35	(42	(21	(170
Carbon Tetrachloride-----	(1	(1	(1	(1	(1	(1	(1	(1
Trichloroethylene-----	(1	(23	(2	(9	(94	(78	(85	(80
Bromodichloroethane-----	(1	(1	(1	(1	(8	(1	(1	(1
c-1,3-Dichloropropene-----)								
Dibromochloroethane-----)		(2			(2	(2		
1,1,2-Trichloroethane-----)								
c-1,3 Dichloropropene-----)								
Dibromochloroethane-----)	(1		(1	(1			(1	(1
1,1,2-Trichloroethane-----)	(1		(2	(1			(2	(1
1,2-Dibromoethane-----	NA	(40	NR	NA	(10	(4	(2	NA
Tetrachloroethylene-----	(1	(140	(110	(420	(8	(8	(7	(9
Bromoform-----	(2	(8	(1	(2	(4	(8	(1	(2
Benzene-----	(4	(8	(8	(4	(8	(8	(8	(4
Toluene-----	(4	(8	(4	(4	(8	(8	(4	(4
Chlorobenzene-----	(6	(8	(8	(6	(8	(8	(8	(6
Ethylbenzene-----	(6	(8	(8	(6	(8	(8	(8	(6
Xylene (o,p)-----	(12	(8	(8	(12	(15	(8	(8	(12
Dichlorobenzene (o,p)-----	(10	(5	(4	(10	7	(5	(4	(10
Total-----	0	(272	(114	(440	(217	(192	(64	(319

SYL00114886

TABLE 3-11

ANALYTICAL RESULTS
WEST HICKSVILLE - GROUNDWATER QUALITY

Well Number-----	N8800	N9341	N9463	N9917
Well Depth (feet)*-----	247	265	638	73
Sample Date-----	3/20/84	5/10/85	1/9/85	3/1/85
Trichlorofluoromethane-----	< 1	1	< 1	< 1
Methylene Chloride-----}				
1,1,2-Trichlorotrifluoroethane--}	6	21	< 6	< 7
1,1-Dichloroethylene-----}				
c-1,1,2-Dichloroethylene-----	< 4	440	NA	< 7
1,1,2-Dichloroethylene-----	< 4	NA	NA	NA
1,1-Dichloroethane-----	< 5	66	NA	NA
c-1,2-Dichloroethylene-----	< 4	NA	NA	NA
Chloroform-----	< 1	2	< 1	< 1
1,1,1-Trichloroethane-----	16	16	< 1	1
Carbon Tetrachloride-----		2	< 1	< 1
Trichloroethylene-----	150	1600	< 1	1
Bromodichloromethane-----	< 1	< 10	< 2	< 1
c-1,3-Dichloropropene-----}				
Dibromochloromethane-----}	< 1	NA	< 3	NA
1,1,2-Trichloroethane-----}				
c-1,3-Dichloropropene-----}				
Dibromochloromethane-----}	NA	< 10	NA	< 1
1,1,2-Trichloroethane-----}	NA	< 1	NA	< 3
1,2-Dibromoethane-----	< 1	< 10	< 5	< 2
Tetrachloroethylene-----	3	260	< 2	< 1
Bromoform-----	< 1	1	< 2	< 1
Benzene-----	< 3	< 3	< 3	< 5
Toluene-----	< 3	< 4	< 15	< 3
Chlorobenzene-----	< 3	4	< 15	< 3
Ethylbenzene-----	< 3	52	< 4	< 3
Xylene (o,m,p)-----	< 3	95	< 4	< 3
Dichlorobenzene (o,m,p)-----	< 6	130	< 20	< 10
Total-----	175	2,691	0	0

SYL00114887

REFERENCE 16

SYL00114888

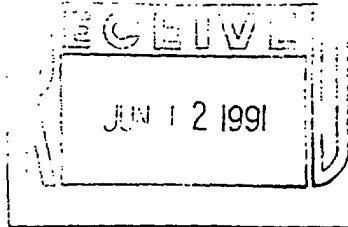
THOMAS S. GULOTTA
COUNTY EXECUTIVE

JOHN R. SPECHT
FIRE MARSHAL



NASSAU COUNTY FIRE COMMISSION
OFFICE OF FIRE MARSHAL

899 JERUSALEM AVENUE
P.O. BOX 128
UNIONDALE, NEW YORK 11553
516-566-5200



June 10, 1991

Roux Associates
775 Park Ave
Huntington, New York 11743
Attent; Eric Arnesen

Dear Sir:

A check of Fire Marshal records as of this date revealed that there are no indications of any known fire or explosion threats due to fire violations at the following locations; Twin County Recycling 449 West John Street, JD Tomfor Bus Co. 445 West John Street and Agway 499 West John Street, Hicksville. This is based on previous fire inspections and does not reflect any changes that may have occurred since the last inspection.

Yours truly,

RICHARD A. MAGEE
Fire Inspector
Industrial Division

THOMAS E. REED
Supervising Fire Inspector

2726C

SYL00114889

REFERENCE 17

Water-Transmitting Properties of Aquifers
on Long Island, New York
(Location: Roux Associates, Inc. Files)

SYL00114890

APPENDICES

C

C

APPENDIX A
Site Assessment References

SYL00114891

Site Assessment References

- 1) Swedalla, T., 1989. Interview Record with YEC, Inc., August 2, 1989 (Volume II).
- 2) Spettman, W.H., 1989. Interview Record with YEC, Inc., August 2, 1989 (Volume II).
- 3) Del Rosso, K., 1989. Interview Record with YEC, Inc., July 28, 1989 (Volume II).
- 4) NYSDEC Site Inspection Reports of the AGO Associates Site from October, 1978 to December, 1979 (Source: NYSDEC Bureau of Municipal Wastes, Albany, New York).
- 5) NYSDEC Soil Sampling Results and Related Memorandum from Robert Ola Agasti (New York State Department of Environmental Conservation) to John Ramkin, February 9, 1988, (Source: NYSDEC Division of Solid Waste, Stony Brook, New York).
- 6) McClymonds, N.E., 1972, and O.L. Franke, 1972. Water-Transmitting Properties of Aquifers on Long Island, New York (Roux Associates, Inc. files).

SYL00114892

REFERENCE 1

SYL00114893

INTERVIEW ACKNOWLEDGEMENT FORM

SITE NAME: A.G.O. Associates Landfill

I.D. NUMBER: 130029

PERSON

DATE: August 2, 1989

CONTACTED: Mr. Swedalla

PHONE NUMBER: (516) 931-7244

AFFILIATION: Northwest Civic Association

CONTACT

ADDRESS: 333 West John Street
Hicksville
New York 11801

PERSON(S): Marie Mc Donnell

TYPE OF CONTACT: Telephone

REFERRED BY: Mary Ann Ferrado
Northwest Civic
Association

INTERVIEW SUMMARY

Mr. Swedalla remembers the A.G.O. "dump" as being approximately where Twin County Asphalt Recycling Corporation (the Lizzas), Agway and a portion of the bus company are today. He remembers walking thru the area on a number of occasions when landfilling occurred there. They advertised for clean fill but for \$5.00 or \$10.00 a load, they landfilled "everything" including 55 gallon drums, although he had no knowledge of any contents in these drums.

He also remembers there being a pipe factory (Athlantic) on the property and thought that the water used to wash out the pipes washed into the hole. The hole was in the area presently occupied by Twin County Asphalt buildings. He estimated this to be around the 1940's.

Across the railroad tracks behind the A.G.O. site there used to be another open refuse dump in the late 1930's.

ACKNOWLEDGEMENT

SYL00114894

I have read the above transcript and I agree it is an accurate summary of the information verbally conveyed to the YEC, Inc. interviewer (as revised below, if necessary).

Revisions (please write in any corrections needed to the above transcript)

(added info) They also had fires in the dumping area, when they had to call the Hicksville Fire Dept. to put the fire out, which smoldered for a couple of days. The above information I have given you in our phone conversation is to the best of my knowledge.

Signature:

Date:

Theodore Swedalla

8/10/89

INTERVIEW ACKNOWLEDGEMENT FORM

SITE NAME: A.G.O. Associates Landfill

I.D. NUMBER: 130029

PERSON

DATE: August 2, 1989

CONTACTED: Mr. Spettman

PHONE NUMBER: (516) 931-6222

AFFILIATION: Northwest Civic Association

CONTACT

ADDRESS: 22 Dakota Street
Hicksville
New York 11801

PERSON(S): Marie Mc Donnell

TYPE OF CONTACT: Telephone

REFERRED BY: Mary Ann Ferrado
Northwest Civic
Association

INTERVIEW SUMMARY

Approximately 30 years ago, Mr. Spettman remembers there being a large sand pit and vacant land in the area where Agway, Twin County Asphalt Recycling Corporation are today. There was a large sign at the front entrance of the "A.G.O. dump" during its operation saying "Clean Fill Wanted". He never took a lot of notice of what they were filling into the area. Any time he walked thru the area, all he remembers seeing was construction and demolition type material e.g. concrete, old road bases etc.. Except for these times, he never had a good idea of what they were landfilling since he worked during the hours of the day when they would have been filling in the pit. He estimates that landfilling occurred up to 6 to 8 years ago. Before the 1970's, there was not much industry in the area of West Hicksville.

ACKNOWLEDGEMENT

I have read the above transcript and I agree it is an accurate summary of the information verbally conveyed to the YEC, Inc. interviewer (as revised below, if necessary).

Revisions (please write in any corrections needed to the above transcript)

SYL00114895

Signature:

William H. Spettman Sr.

Date:

15 Aug 1989

REFERENCE 2

SYL00114896

REFERENCE 3

SYL00114897

YEC, INC.
Forest View Professional Building
10 Pine Crest Road
Valley Cottage, NY 10989
(914) 268-3203

August 2, 1989

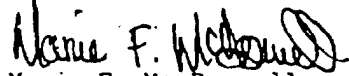
Katherine Del Rosso
Duffy Park Civic Association
P.O. Box 8120
Hicksville, New York 11801

Dear Ms. Del Rosso,

The New York State Department of Environmental Conservation (NYSDEC) requires the subcontractor (YEC, Inc.) for the Phase I investigations to document all reference material used in the reports. Please find a summary of our telephone conversation on the attached Interview Acknowledgement Form. Please read this summary and sign at the bottom to verify its accuracy. Write in any revisions or additions, if necessary, and return to us as soon as possible.

It was a pleasure talking with you and we greatly appreciate your groups input. If you have any questions, please call this office at (914) 268-3203.

Sincerely yours,



Marie F. Mc Donnell
Geologist

SYL00114898

INTERVIEW ACKNOWLEDGEMENT FORM

SITE NAME: A.G.O. Associates Landfill I.D. NUMBER: 130029
PERSON DATE: July 28, 1989
CONTACTED: Katherine Del Rosso PHONE NUMBER: (516) 938-6201
AFFILIATION: Duffy Park Civic Association CONTACT
ADDRESS: P.O. Box 8120 PERSON(S): Marie Mc Donnell
Hicksville
New York 11801
TYPE OF CONTACT: Telephone REFERRED BY: Mary Ann Ferrado
Northwest Civic
Association

INTERVIEW SUMMARY

Ms. Del Rosso became interested in the A.G.O. landfill site when investigating a plume of "asphalt dust/smog" from the Twin County Asphalt Recycling operation. The plume hangs low over the local residences and makes outdoor activities uncomfortable.

Upon researching the property limits and ownership with the local tax assessment maps, she came to know of the A.G.O. landfill which was known to area residents during its years of operation as the "A.G.O. dump". Some of the "oldtimers" in the area say that everything was dumped there including barrels.

Approximately a year and a half ago, on a site visit, Ms. Del Rosso noted numerous barrels on the east side of the former A.G.O. property (exact location on current properties unknown). The tops of some of these barrels were leaking black sludge.

Ms. Del Rosso expressed her concern that the site lies across the street from a water recharge basin, its proximity to local residential areas and drinking water supplies.

ACKNOWLEDGEMENT

I have read the above transcript and I agree it is an accurate summary of the information verbally conveyed to the YEC, Inc. interviewer (as revised below, if necessary).

SYL00114899

Revisions (please write in any corrections needed to the above transcript)

Signature:

Date:

SYL00114900

REFERENCE 4

NYSDEC Site Inspection Reports
of the A.G.O. Associates site
from October, 1978 to December, 1979.
(Source: NYSDEC Bureau of Municipal Wastes, Albany, New York)

SYL00114901

REFERENCE 5

SYL00114902



220
New York State Department of Environmental Conservation

#1300

AGO
ASSC

MEMORANDUM

TO: Robert Olazagasti
FROM: John Rankin *SMR*
SUBJECT: QA/QC Review of Nanco Data Package
DATE: February 9, 1988

The data package submitted by Nanco concerning the analysis of 20 soil samples was reviewed by Brian Aho and myself. There are some problems with the Pesticide/PCB analyses.

The pesticide sample quantitation reports indicate all analyses performed on instrument HP5890#4. No primary column standards data was submitted for this instrument. The summary form indicates that the standard solutions were analyzed on Varian 3700 #2. Chromatograms are not labeled with dates, times, instrument ID or sample numbers.

Arochlors were found in the following two samples. Both were reported as #1254 when in reality SH87-15208-02 contained #1242. The chromatogram was labeled correctly, however, the report form I indicates the wrong mixture.

SH87-152080-02	Arochlor 1242	780 ug/kg
SH87-152014A-04	Arochlor 1254	900 ug/kg

All other analyses conform with the requirements of the CLP. Please see attached sheet for corresponding sample numbers.

cc: M. Serafini

SYL00114903



Low level of volatile, semi-volatile
4 PCB/pesticides

RECEIVED

OCT 22 1987

TECHNICAL SERVICES & RESEARCH
DIVISION OF WATER

SAMPLE DATA

SH-87-130029-01

Pentachloro
Unknown Ret Time - 52.07 min

SYL00114904

(PAGE 1)

SH-87-130029-1

Data Release Authorized By:

Date Sample Received: 09/17/87

VOLATILE COMPOUNDS

Percent Moisture: 16

CAS Number	ug/l or ug/Kg (Circle One)	CAS Number	ug/l or ug/Kg (Circle One)		
74-87-3	Chloromethane	10.0 U	79-34-5	1,1,2,2-Tetrachloroethane	5.0 U
74-83-9	Bromomethane	10.0 U	78-87-5	1,2-Dichloropropane	5.0 U
75-01-4	Vinyl Chloride	10.0 U	10061-02-6	Trans-1,3-Dichloropropene	5.0 U
75-00-3	Chloroethane	10.0 U	79-01-6	Trichloroethene	5.0 U
75-09-2	Methylene Chloride	4.4 JB	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	61.0 B	79-00-5	1,1,2-Trichloroethane	5.0 U
75-15-0	Carbon Disulfide	5.0 U	71-43-2	Benzene	1.4 J
75-35-4	1,1-Dichloroethene	5.0 U	10061-01-5	cis-1,3-Dichloropropene	5.0 U
75-34-3	1,1-Dichloroethane	5.0 U	110-75-8	2-Chloroethylvinylether	10.0 U
156-60-5	Trans-1,2-Dichloroethene	5.0 U	75-25-2	Bromoform	5.0 U
67-66-3	Chloroform	5.0 U	591-78-6	2-Hexanone	10.0 U
107-06-2	1,2-Dichloroethane	5.0 U	108-10-1	4-Methyl-2-Pentanone	10.0 U
78-93-3	2-Butanone	10.0 U	127-18-4	Tetrachloroethene	5.0 U
71-55-6	1,1,1-Trichloroethane	5.0 U	108-88-3	Toluene	5.0 U
56-23-5	Carbon Tetrachloride	5.0 U	108-90-7	Chlorobenzene	5.0 U
108-05-4	Vinyl Acetate	10.0 U	100-41-4	Ethylbenzene	5.0 U
75-27-4	Bromodichloromethane	5.0 U	100-42-5	Styrene	5.0 U
				Total Xylenes	5.0 U

Data Reporting Qualifiers

Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

.VALUE

If the result is a value greater than or equal to the detection limit, report the value.

3

Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U(e.g.10U based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected.The number is the minimum attainable detection limit for the sample.

Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data

Indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit (greater than zero (e.g. 10J)).

C

This flag applies to pesticide parameters where the identification has been confirmed by GC/MS Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS

B

This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

OTHER

Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

ORGANIC ANALYSIS DATA SHEET

(PAGE 2)

LABORATORY NAME: NAWCO LABS. INC.
CASE NO: N.Y. D.E.C.

SAMPLE NO.
SH-87-13002

SEMIVOLATILE COMPOUNDS

Concentrations: Low Medium (Circle One)
Date Extracted/Prepared: 09/23/87
Date Analyzed: 10/13/87
Conc/Dil Factor: -----> 1
Percent Moisture: 16

GPC Cleanup: Yes No XXX
Separatory Funnel Extractions: Yes
Continuous Liquid - Liquid Extraction: Yes

CAS Number		ug/l or ug/Kg (Circle One)	CAS Number		ug/l or ug/Kg (Circle One)
108-95-2	Phenol	330.0 U	83-32-9	Acenaphthene	330.0 U
111-44-4	bis(-2-Chloroethyl)Ether	330.0 U	51-28-5	2,4-Dinitrophenol	1600.0 U
95-57-8	2-Chlorophenol	330.0 U	100-02-7	4-Nitrophenol	1600.0 U
541-73-1	1,3-Dichlorobenzene	330.0 U	132-64-9	Dibenzofuran	330.0 U
106-46-7	1,4-Dichlorobenzene	330.0 U	121-14-2	2,4-Dinitrotoluene	330.0 U
100-51-6	Benzyl Alcohol	330.0 U	606-20-2	2,6-Dinitrotoluene	330.0 U
95-50-1	1,2-Dichlorobenzene	330.0 U	84-66-2	Diethylphthalate	330.0 U
95-48-7	2-Methylphenol	330.0 U	7005-72-3	4-Chlorophenyl-phenylether	330.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	330.0 U	86-73-7	Fluorene	330.0 U
106-44-5	4-Methylphenol	330.0 U	100-01-6	4-Nitroaniline	1600.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	330.0 U	534-52-1	4,6-Dinitro-2-Methylphenol	1600.0 U
67-72-1	Hexachloroethane	330.0 U	86-30-6	N-Nitrosodiphenylamine (1)	330.0 U
98-95-3	Nitrobenzene	330.0 U	101-55-3	4-Bromophenyl-phenylether	330.0 U
78-59-1	Isophorone	330.0 U	118-74-1	Hexachlorobenzene	330.0 U
88-75-5	2-Nitrophenol	330.0 U	87-86-5	Pentachlorophenol	1600.0 U
105-67-9	2,4-Dimethylphenol	330.0 U	85-01-8	Phenanthrene	330.0 U
65-85-0	Benzoic Acid	1600.0 U	120-12-7	Anthracene	330.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	330.0 U	84-74-2	Di-n-Butylphthalate	330.0 U
120-83-2	2,4-Dichlorophenol	330.0 U	206-44-0	Fluoranthene	330.0 U
120-82-1	1,2,4-Trichlorobenzene	330.0 U	129-00-0	Pyrene	130.0 U
91-20-3	Naphthalene	330.0 U	85-68-7	Butylbenzylphthalate	330.0 U
106-47-8	4-Chloroaniline	330.0 U	91-94-1	3,3'-Dichlorobenzidine	660.0 U
87-68-3	Hexachlorobutadiene	330.0 U	56-55-3	Benzo(a)Anthracene	330.0 U
59-50-7	4-Chloro-3-Methylphenol	330.0 U	117-81-7	bis(2-Ethylhexyl)Phthalate	330.0 U
91-57-6	2-Methylnaphthalene	330.0 U	218-01-9	Chrysene	330.0 U
77-47-4	Hexachlorocyclopentadiene	330.0 U	117-84-0	Di-n-Octyl Phthalate	330.0 U
88-06-2	2,4,6-Trichlorophenol	330.0 U	205-99-2	Benzo(b)Fluoranthene	330.0 U
95-95-4	2,4,5-Trichlorophenol	1600.0 U	207-08-9	Benzo(k)Fluoranthene	330.0 U
91-58-7	2-Chloronaphthalene	330.0 U	50-32-8	Benzo(a)Pyrene	330.0 U
88-74-4	2-Nitroaniline	1600.0 U	193-39-5	Indeno(1,2,3-cd)Pyrene	330.0 U
131-11-3	Dimethyl Phthalate	330.0 U	53-70-3	Dibenz(a,h)Anthracene	330.0 U
208-96-8	Acenaphthylene	330.0 U	191-24-2	Benzo(g,h,i)Perylene	330.0 U
99-09-2	3-Nitroaniline	1600.0 U			

(1) - Cannot be separated from diphenylamine

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NY DEC

SH 87 130029

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 9/23/87

Date Analyzed: 10/12/87

Conc/Dil Factor: -----> 1

Percent Moisture: 16

GPC Cleanup: Yes ___ No X

Separatory Funnel Extraction: Yes ___

Continuous Liquid-Liquid Extraction: Yes ___

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)
319-84-6	Alpha-BHC	8.00 U
319-85-7	Beta-BHC	8.00 U
319-86-8	Delta-BHC	8.00 U
58-89-9	Gamma-BHC (Lindane)	8.00 U
76-44-8	Heptachlor	8.00 U
309-00-2	Aldrin	8.00 U
1024-57-3	Heptachlor Epoxide	8.00 U
959-98-8	Endosulfan I	8.00 U
60-57-1	Dieldrin	16.00 U
72-55-9	4,4'-DDE	16
72-20-8	Endrin	16.00 U
33213-65-9	Endosulfan II	16.00 U
72-54-8	4,4'-DDD	16.00 U
7421-93-4	Endrin Aldehyde	16.00 U
1031-07-8	Endosulfan Sulfate	16.00 U
50-29-3	4,4'-DDT	49
53494-70-5	Endrin Ketone	16.00 U
72-43-5	Methoxychlor	80.00 U
57-74-9	Chlordane	80.00 U
8001-35-2	Toxaphene	160.00 U
12674-11-2	Aroclor-1016	80.00 U
11104-28-2	Aroclor-1221	80.00 U
11141-16-5	Aroclor-1232	80.00 U
53469-21-9	Aroclor-1242	80.00 U
12672-29-6	Aroclor-1248	80.00 U
11097-69-1	Aroclor-1254	160.00 U
11096-82-5	Aroclor-1260	160.00 U

Vi = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs _____ or Ws 30 _____ Vt 20000 _____ Vi 3 _____

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

LABORATORY NAME :NANCO LABS.INC.
CASE NO: NY DEC

SAMPLE N/

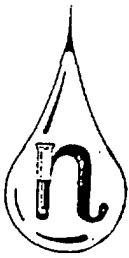
SH-87-

Tentatively Identified Compounds

CAS Number	Compound Name -	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	NONE FOUND	VOA		
2				
3				
4				
5 -----	UNKNOWN	BNA	78	1200.0 J
6 -----	UNKNOWN KETONE	BNA	121	32000.0 J
7 -----	UNKNOWN ALKANE	BNA	142	1000.0 J
8 2216333	OCTANE, 3-METHYL	BNA	153	1400.0 J
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

FORM I, PART B

SYL00114908



Small concentrations of vola-
tiles, semi-volatiles & pest/PCB

RECEIVED

OCT 22 1987

TECHNICAL SERVICES & RESEARCH
DIVISION OF WATER

SAMPLE DATA

SH-87-130029-02 (AEC, soil)

Tentative - 2-pentane, 4,4 - 41 ppm
- others

SYL00114909

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER

Laboratory Name: NANCO LABORATORY INC.

Case No: NY DEC

SH-87-130L

Lab File ID No: >82601

GC Report No: N/A

Sample Matrix: SOIL

Contract No: N/A

Data Release Authorized By: *John J. J.*

Date Sample Received: 09/17/87

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
 Date Extracted/Prepared: 09/20/87
 Date Analyzed: 09/20/87
 Conc/Dil Factor: 1 pH: 5.2
 Percent Moisture: .16

CAS Number	ug/l or <u>ug/Kg</u> (Circle One)	CAS Number	ug/l or <u>ug</u> (Circle One)
74-87-3 Chloromethane	10.0 U	79-34-5 1,1,2,2-Tetrachloroethane	5.0 U
74-83-9 Bromomethane	10.0 U	78-87-5 1,2-Dichloropropane	5.0 U
75-01-4 Vinyl Chloride	10.0 U	10061-02-6 Trans-1,3-Dichloropropene	5.0 U
75-00-3 Chloroethane	10.0 U	79-01-6 Trichloroethene	5.0 U
75-09-2 Methylene Chloride	58.0 B	124-48-1 Dibromochloromethane	5.0 U
67-64-1 Acetone	370.0 B	79-00-5 1,1,2-Trichloroethane	5.0 U
75-15-0 Carbon Disulfide	5.0 U	71-43-2 Benzene	11.0
75-35-4 1,1-Dichloroethene	5.0 U	10061-01-5 cis-1,3-Dichloropropene	5.0 U
75-34-3 1,1-Dichloroethane	5.0 U	110-75-8 2-Chloroethylvinylether	10.0 U
156-60-5 Trans-1,2-Dichloroethene	5.0 U	75-25-2 Bromoform	5.0 U
67-66-3 Chloroform	5.0 U	591-78-6 2-Hexanone	10.0 U
107-06-2 1,2-Dichloroethane	5.0 U	108-10-1 4-Methyl-2-Pentanone	10.0 U
78-93-3 2-Butanone	32.0	127-18-4 Tetrachloroethene	5.0 U
71-55-6 1,1,1-Trichloroethane	5.0 U	108-88-3 Toluene	5.0 U
56-23-5 Carbon Tetrachloride	5.0 U	108-90-7 Chlorobenzene	5.0 U
108-05-4 Vinyl Acetate	10.0 U	100-41-4 Ethylbenzene	5.0 U
75-27-4 Bromodichloromethane	5.0 U	100-42-5 Styrene	5.0 U
		Total Xylenes	5.0 U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.
 Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE

If the result is a value greater than or equal to the detection limit, report the value.

U

Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U(e.g. 10U based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J

Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J).

C

This flag applies to pesticide parameters where the identification has been confirmed by GC/MS Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS

B

This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

OTHER

Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

ORGANIC ANALYSIS DATA SHEET

(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.

CASE NO: N.Y. D.E.C.

SAMPLE NO.

SH-87-130029-0

SEMIVOLATILE COMPOUNDS

Concentrations: Low Medium (Circle One)

Date Extracted/Prepared: 09/23/87

Date Analyzed: 10/10/87

Conc/Dil Factor: ----- 1

Percent Moisture: 16

GPC Cleanup: Yes No XXX

Separatory Funnel Extractions: Yes

Continuous Liquid - Liquid Extractions: Yes

CAS Number		ug/l or ug/Kg (Circle One)	CAS Number		ug/l or ug/Kg (Circle One)
108-95-2	Phenol	330.0 U	83-32-9	Acenaphthene	330.0 U
111-44-4	bis(-2-Chloroethyl)Ether	330.0 U	51-28-5	2,4-Dinitrophenol	1600.0 U
95-57-8	2-Chlorophenol	330.0 U	100-02-7	4-Nitrophenol	1600.0 U
541-73-1	1,3-Dichlorobenzene	330.0 U	132-64-9	Dibenzofuran	330.0 U
106-46-7	1,4-Dichlorobenzene	330.0 U	121-14-2	2,4-Dinitrotoluene	330.0 U
100-51-6	Benzyl Alcohol	330.0 U	606-20-2	2,6-Dinitrotoluene	330.0 U
95-50-1	1,2-Dichlorobenzene	330.0 U	84-66-2	Diethylphthalate	330.0 U
95-48-7	2-Methylphenol	330.0 U	7005-72-3	4-Chlorophenyl-phenylether	330.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	330.0 U	86-73-7	Fluorene	330.0 U
106-44-5	4-Methylphenol	330.0 U	100-01-6	4-Nitroaniline	1600.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	330.0 U	534-52-1	4,6-Dinitro-2-Methylphenol	1600.0 U
67-72-1	Hexachloroethane	330.0 U	86-30-6	N-Nitrosodiphenylamine (1)	330.0 U
98-95-3	Nitrobenzene	330.0 U	101-55-3	4-Bromophenyl-phenylether	330.0 U
78-59-1	Isophorone	330.0 U	118-74-1	Hexachlorobenzene	330.0 U
88-75-5	2-Nitrophenol	330.0 U	87-86-5	Pentachlorophenol	1600.0 U
105-67-9	2,4-Dimethylphenol	330.0 U	85-01-8	Phenanthrene	330.0 U
65-85-0	Benzoic Acid	1600.0 U	120-12-7	Anthracene	330.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	330.0 U	84-74-2	Di-n-Butylphthalate	330.0 U
120-83-2	2,4-Dichlorophenol	330.0 U	206-44-0	Fluoranthene	330.0 U
120-82-1	1,2,4-Trichlorobenzene	330.0 U	129-00-0	Pyrene	130.0 U
91-20-3	Naphthalene	330.0 U	85-68-7	Butylbenzylphthalate	330.0 U
106-47-8	4-Chloroaniline	330.0 U	91-94-1	3,3'-Dichlorobenzidine	660.0 U
87-68-3	Hexachlorobutadiene	330.0 U	56-55-3	Benzo(a)Anthracene	330.0 U
59-50-7	4-Chloro-3-Methylphenol	330.0 U	117-81-7	bis(2-Ethylhexyl)Phthalate	330.0 U
91-57-6	2-Methylnaphthalene	330.0 U	218-01-9	Chrysene	330.0 U
77-47-4	Hexachlorocyclopentadiene	330.0 U	117-84-0	Di-n-Octyl Phthalate	330.0 U
88-06-2	2,4,6-Trichlorophenol	330.0 U	205-99-2	Benzo(b)Fluoranthene	330.0 U
95-95-4	2,4,5-Trichlorophenol	1600.0 U	207-08-9	Benzo(k)Fluoranthene	330.0 U
91-58-7	2-Chloronaphthalene	330.0 U	50-32-8	Benzo(a)Pyrene	330.0 U
88-74-4	2-Nitroaniline	1600.0 U	193-39-5	Indeno(1,2,3-cd)Pyrene	330.0 U
131-11-3	Dimethyl Phthalate	330.0 U	53-70-3	Dibenz(a,h)Anthracene	330.0 U
208-96-8	Acenaphthylene	330.0 U	191-24-2	Benzo(g,h,i)Perylene	330.0 U
99-09-2	3-Nitroaniline	1600.0 U			

(1) - Cannot be separated from diphenylamine

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

LABORATORY NAME: NAMCO LABS, INC.

CASE NO: NY DEC

SAMPLE NUMBER

SH 87 130

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 9/23/87

Date Analyzed: 10/12/87

Conc/Dil Factor: ----->

1

Percent Moisture: 16

GPC Cleanup: Yes ___ No X

Separatory Funnel Extraction: Yes ___

Continuous Liquid-Liquid Extraction: Yes ___

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)
319-84-6	Alpha-BHC	8.00 U
319-85-7	Beta-BHC	8.00 U
319-86-8	Delta-BHC	8.00 U
58-89-9	Gamma-BHC (Lindane)	8.00 U
76-44-8	Heptachlor	8.00 U
309-00-2	Aldrin	8.00 U
1024-57-3	Heptachlor Epoxide	8.4
959-98-8	Endosulfan I	8.00 U
60-57-1	Dieldrin	16.00 U
72-55-9	4,4'-DDE	7.8 J
72-20-8	Endrin	16.00 U
33213-65-9	Endosulfan II	16.00 U
72-54-8	4,4'-DDD	16.00 U
7421-93-4	Endrin Aldehyde	16.00 U
1031-07-8	Endosulfan Sulfate	16.00 U
50-29-3	4,4'-DDT	15 J
53494-70-5	Endrin Ketone	16.00 U
72-43-5	Methoxychlor	80.00 U
57-74-9	Chlordane	80.00 U
8001-35-2	Toxaphene	160.00 U
12674-11-2	Aroclor-1016	80.00 U
11104-28-2	Aroclor-1221	80.00 U
11141-16-5	Aroclor-1232	80.00 U
53469-21-9	Aroclor-1242	80.00 U
12672-29-6	Aroclor-1248	80.00 U
11097-69-1	Aroclor-1254	160.00 U
11096-82-5	Aroclor-1260	160.00 U

Vl = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs _____ or Ws _____ 30 _____ 20000 _____ Vt _____ 3 _____ VI _____

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

LABORATORY NAME :NANCO LABS.INC.
CASE NO: NY DEC

SAMPLE NU

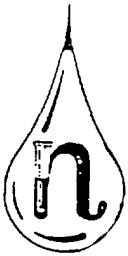
SH-87-13

Tentatively Identified Compounds:

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/L or ug/Kg)
1 -----	UNKNOWN	VOA	257	12.0 J
2 -----	UNKNOWN	VOA	312	5.7 J
3 -----	UNKNOWN	VOA	343	7.1 J
4 -----				
5 -----				
6 -----				
7 -----	UNKNOWN	BNA	79	1600.0 J
8 123422	2-PENTANONE 4-HYDROXY-4-METHYL	BNA	121	41000.0 J
9 -----	UNKNOWN ALKANE	BNA	142	1400.0 J
10 -----	UNKNOWN ALKANE	BNA	151	1800.0 J
11 -----				
12 -----				
13 -----				
14 -----				
15 -----				
16 -----				
17 -----				
18 -----				
19 -----				
20 -----				
21 -----				
22 -----				
23 -----				
24 -----				
25 -----				
26 -----				

FORM 1, PART B

SYL00114913



Low concentr. of pesticides,
im. + 10. PCB/pest.

RECEIVED

OCT 22 1987

TECHNICAL SERVICES & RESEARCH
DIVISION OF WATER

SAMPLE DATA

SH-87-130029-03. (A 60 - 501)

Tentative — 2-pentachloro — — 41 ppm
+ other

SYL00114914

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER

Laboratory Name: MANCO LABORATORY INC.

Lab File ID No: 82602

Sample Matrix: SOIL

Data Release Authorized By: *Shel John*

Case No: NY DEC

QC Report No: N/A

Contract No: N/A

Date Sample Received: 09/17/87

SH-87-130029-G

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 09/20/87

Date Analyzed: 09/20/87

Conc/Dil Factor: 1

pH: 4.9

Percent Moisture: 08.

CAS Number	ug/l or ug/Kg (Circle One)	CAS Number	ug/l or ug/Kg (Circle One)
74-87-3 Chloromethane	10.0 U	79-34-5 1,1,2,2-Tetrachloroethane	5.0 U
74-83-9 Bromomethane	10.0 U	78-87-5 1,2-Dichloropropane	5.0 U
75-01-4 Vinyl Chloride	10.0 U	10061-02-6 Trans-1,3-Dichloropropene	5.0 U
75-00-3 Chloroethane	10.0 U	79-01-6 Trichloroethene	5.0 U
75-09-2 Methylene Chloride	23.0 B	124-48-1 Dibromochloromethane	5.0 U
67-64-1 Acetone	120.0 B	79-00-5 1,1,2-Trichloroethane	5.0 U
75-15-0 Carbon Disulfide	5.0 U	71-43-2 Benzene	1.4 J
75-35-4 1,1-Dichloroethene	5.0 U	10061-01-5 cis-1,3-Dichloropropene	5.0 U
75-34-3 1,1-Dichloroethane	5.0 U	110-75-8 2-Chloroethylvinylether	10.0 U
156-60-5 Trans-1,2-Dichloroethene	5.0 U	75-25-2 Bromoform	5.0 U
67-66-3 Chloroform	5.0 U	591-78-6 2-Hexanone	10.0 U
107-06-2 1,2-Dichloroethane	5.0 U	108-10-1 4-Methyl-2-Pentanone	10.0 U
78-93-3 2-Butanone	10.0 U	127-18-4 Tetrachloroethene	5.0 U
71-55-6 1,1,1-Trichloroethane	5.0 U	108-88-3 Toluene	5.0 U
56-23-5 Carbon Tetrachloride	5.0 U	108-90-7 Chlorobenzene	5.0 U
108-05-4 Vinyl Acetate	10.0 U	100-41-4 Ethylbenzene	5.0 U
75-27-4 Bromodichloromethane	5.0 U	100-42-5 Styrene	5.0 U
		Total Xylenes	5.0 U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.

Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE	C
If the result is a value greater than or equal to the detection limit, report the value.	This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS.
U	B
Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U) based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.	This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
J	OTHER
Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J).	Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

SYL00114915

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NAMCO LABS. INC.
CASE NO: N.Y. D.E.C.

SAMPLE NO.
SH-87-1300

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 09/23/87
Date Analyzed: 10/10/87
Conc/Dil Factor: -----> 1
Percent Moisture: 8

GPC Cleanup: Yes No XXX
Separatory Funnel Extractions: Yes
Continuous Liquid - Liquid Extraction: Yes

CAS Number		ug/l or ug/Kg (Circle One)	CAS Number		ug/l or ug/Kg (Circle One)
108-95-2	Phenol	330.0 U	83-32-9	Acenaphthene	330.0 U
111-44-4	bis(2-Chloroethyl)Ether	330.0 U	51-28-5	2,4-Dinitrophenol	1600.0 U
95-57-8	2-Chlorophenol	330.0 U	100-02-7	4-Nitrophenol	1600.0 U
541-73-1	1,3-Dichlorobenzene	330.0 U	132-64-9	Dibenzofuran	330.0 U
106-46-7	1,4-Dichlorobenzene	330.0 U	121-14-2	2,4-Dinitrotoluene	330.0 U
100-51-6	Benzyl Alcohol	330.0 U	606-20-2	2,6-Dinitrotoluene	330.0 U
95-50-1	1,2-Dichlorobenzene	330.0 U	84-66-2	Diethylphthalate	330.0 U
95-48-7	2-Methylphenol	330.0 U	7005-72-3	4-Chlorophenyl-phenylether	330.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	330.0 U	86-73-7	Fluorene	330.0 U
106-44-5	4-Methylphenol	330.0 U	100-01-6	4-Nitroaniline	1600.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	330.0 U	534-52-1	4,6-Dinitro-2-Methylphenol	1600.0 U
67-72-1	Hexachloroethane	330.0 U	86-30-6	N-Nitrosodiphenylamine (1)	330.0 U
98-95-3	Nitrobenzene	330.0 U	101-55-3	4-Bromophenyl-phenylether	330.0 U
78-59-1	Isophorone	330.0 U	118-74-1	Hexachlorobenzene	330.0 U
88-75-5	2-Nitrophenol	330.0 U	87-86-5	Pentachlorophenol	1600.0 U
105-67-9	2,4-Dimethylphenol	330.0 U	85-01-8	Phenanthrene	330.0 U
65-85-0	Benzoic Acid	1600.0 U	120-12-7	Anthracene	330.0 U
111-91-1	bis(2-Chloroethoxy)Methane	330.0 U	84-74-2	Di-n-Butylphthalate	330.0 U
120-83-2	2,4-Dichlorophenol	330.0 U	206-44-0	Fluoranthene	330.0 U
120-82-1	1,2,4-Trichlorobenzene	330.0 U	129-00-0	Pyrene	130.0 J
91-20-3	Naphthalene	330.0 U	85-68-7	Butylbenzylphthalate	330.0 U
106-47-8	4-Chloroaniline	330.0 U	91-94-1	3,3'-Dichlorobenzidine	660.0 U
87-68-3	Hexachlorobutadiene	330.0 U	56-55-3	Benzo(a)Anthracene	330.0 U
59-50-7	4-Chloro-3-Methylphenol	330.0 U	117-81-7	bis(2-Ethylhexyl)Phthalate	330.0 U
91-57-6	2-Methylnaphthalene	330.0 U	218-01-9	Chrysene	330.0 U
77-47-4	Hexachlorocyclopentadiene	330.0 U	117-84-0	Di-n-Octyl Phthalate	330.0 U
88-06-2	2,4,6-Trichlorophenol	330.0 U	205-99-2	Benzo(b)Fluoranthene	330.0 U
95-95-4	2,4,5-Trichlorophenol	1600.0 U	207-08-9	Benzo(k)Fluoranthene	330.0 U
91-58-7	2-Chloronaphthalene	330.0 U	50-32-8	Benzo(a)Pyrene	330.0 U
88-74-4	2-Nitroaniline	1600.0 U	193-39-5	Indeno(1,2,3-cd)Pyrene	330.0 U
131-11-3	Dimethyl Phthalate	330.0 U	53-70-3	Dibenz(a,h)Anthracene	330.0 U
208-96-8	Acenaphthylene	330.0 U	191-24-2	Benzo(g,h,i)Perylene	330.0 U
99-09-2	3-Nitroaniline	1600.0 U			

(1) - Cannot be separated from diphenylamine

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NY DEC

SH 87 130021

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 9/23/87

Date Analyzed: 10/12/87

Conc/Dil Factor: -----> 1

Percent Moisture: 8

GPC Cleanup: Yes ___ No X

Separatory Funnel Extraction: Yes ___

Continuous Liquid-Liquid Extraction: Yes ___

CAS - Number		ug/l or <u>ug/Kg</u> (Circle One)
319-84-6	Alpha-BHC	8.00 U
319-85-7	Beta-BHC	8.00 U
319-86-8	Delta-BHC	8.00 U
58-89-9	Gamma-BHC (Lindane)	8.00 U
76-44-8	Heptachlor	8.00 U
309-00-2	Aldrin	8.00 U
1024-57-3	Heptachlor Epoxide	8.00 U
959-98-8	Endosulfan I	8.00 U
60-57-1	Dieldrin	16.00 U
72-55-9	4,4'-DDE	110
72-20-8	Endrin	16.00 U
33213-65-9	Endosulfan II	16.00 U
72-54-8	4,4'-DDD	85
7421-93-4	Endrin Aldehyde	16.00 U
1031-07-8	Endosulfan Sulfate	16.00 U
50-29-3	4,4'-DDT	430
53494-70-5	Endrin Ketone	16.00 U
72-43-5	Methoxychlor	80.00 U
57-74-9	Chlordane	80.00 U
8001-35-2	Toxaphene	160.00 U
12674-11-2	Aroclor-1016	80.00 U
11104-28-2	Aroclor-1221	80.00 U
11141-16-5	Aroclor-1232	80.00 U
53469-21-9	Aroclor-1242	80.00 U
12672-29-6	Aroclor-1248	80.00 U
11097-69-1	Aroclor-1254	160.00 U
11096-82-5	Aroclor-1260	160.00 U

Vi = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vi _____ 30 _____ 20000 _____ 3 _____
Vs _____ or Ws _____ Vt _____ Vf _____

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

LABORATORY NAME :NANCO LABS.INC.
CASE NO: NY DEC

SAMPLE NUMBER

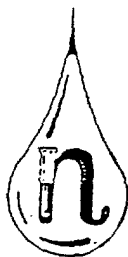
SH-87-130029-03

Tentatively Identified Compounds:

CAS Number	Compound Name-	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1 10545990	SULFUR CHLORIDE	VOA	171	14.0 J
2				
3				
4				
5 -----	UNKNOWN	BNA	77	1500 J
6 123422	2-PENTANONE, 4-HYDROXY-4-METHYL	BNA	120	41000.0 J
7 -----	UNKNOWN ALKANE	BNA	141	1400.0 J
8 -----	UNKNOWN ALKANE	BNA	150	1900.0 J
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

FORM I, PART B

SYL00114918



RECEIVED

OCT 22 1987

TECHNICAL SERVICES & RESEARCH
DIVISION OF WATER

Low concentrations of volatile semivolatiles & Pest.

SAMPLE DATA

SH-87-130029-04 - A60 - 11

Tentative

2 pentanes - 11 methyl - 366 ppm
- 11 methyl

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE N 91

Laboratory Name: NANCO LABORATORY INC.

Lab File ID No: >82607

Sample Matrix: SOIL

Data Release Authorized By: *Shal got*

Case No: NY DEC

GC Report No: N/A

Contract No: N/A

Date Sample Received: 09/17/87

SH-87-13002

VOLATILE COMPOUNDS

Concentrations: Low Medium (Circle One)
 Date Extracted/Prepared: 09/20/87
 Date Analyzed: 09/20/87
 Conc/Dil Factor: 1 pH: 4.1
 Percent Moisture: 16

CAS Number		ug/l or ug/Kg (Circle One)	CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	10.0 U	79-34-5	1,1,2,2-Tetrachloroethane	5.0
74-83-9	Bromomethane	10.0 U	78-87-5	1,2-Dichloropropane	5.0 U
75-01-4	Vinyl Chloride	10.0 U	10061-02-6	Trans-1,3-Dichloropropene	5.0
75-00-3	Chloroethane	10.0 U	79-01-6	Trichloroethene	5.0
75-09-2	Methylene Chloride	3.8 JB	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	10.0 U	79-00-5	1,1,2-Trichloroethane	5.0
75-15-0	Carbon Disulfide	5.0 U	71-43-2	Benzene	2.0
75-35-4	1,1-Dichloroethene	5.0 U	10061-01-5	cis-1,3-Dichloropropene	5.0 U
75-34-3	1,1-Dichloroethane	5.0 U	110-75-8	2-Chloroethylvinylether	10.0 U
156-60-5	Trans-1,2-Dichloroethene	5.0 U	75-25-2	Bromoform	5.0 U
67-66-3	Chloroform	5.0 U	591-78-6	2-Hexanone	10.0 U
107-06-2	1,2-Dichloroethane	5.0 U	108-10-1	4-Methyl-2-Pentanone	10.0 U
78-93-3	2-Butanone	10.0 U	127-18-4	Tetrachloroethene	5.0 U
71-55-6	1,1,1-Trichloroethane	5.0 U	108-88-3	Toluene	5.0 U
56-23-5	Carbon Tetrachloride	5.0 U	108-90-7	Chlorobenzene	5.0 U
108-05-4	Vinyl Acetate	10.0 U	100-41-4	Ethylbenzene	5.0 U
75-27-4	Bromodichloromethane	5.0 U	100-42-5	Styrene	5.0 U
				Total Xylenes	5.0 U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.
 Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE

If the result is a value greater than or equal to the detection limit, report the value.

U

Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J).

C

This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS.

B

This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

OTHER

Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NAMCO LABS. INC.
CASE NO: W.Y. D.E.C.

SAMPLE NO.
SH-87-130029-04

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 09/23/87
Date Analyzed: 10/10/87
Conc/Dil Factor: -----> 1
Percent Moisture: 16

GPC Cleanup: Yes ___ No XXX
Separatory Funnel Extractions: Yes ___
Continuous Liquid - Liquid Extraction: Yes ___

CAS Number		ug/l or ug/Kg (Circle One)	CAS Number		ug/l or ug/Kg (Circle One)
108-95-2	Phenol	330.0 U	83-32-9	Acenaphthene	330.0 U
111-44-4	bis(-2-Chloroethyl)Ether	330.0 U	51-28-5	2,4-Dinitrophenol	1600.0 U
95-57-8	2-Chlorophenol	330.0 U	100-02-7	4-Nitrophenol	1600.0 U
541-73-1	1,3-Dichlorobenzene	330.0 U	132-64-9	Dibenzofuran	330.0 U
106-46-7	1,4-Dichlorobenzene	330.0 U	121-14-2	2,4-Dinitrotoluene	330.0 U
100-51-6	Benzyl Alcohol	330.0 U	606-20-2	2,6-Dinitrotoluene	330.0 U
95-50-1	1,2-Dichlorobenzene	330.0 U	84-66-2	Diethylphthalate	330.0 U
95-48-7	2-Methylphenol	330.0 U	7005-72-3	4-Chlorophenyl-phenylether	330.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	330.0 U	86-73-7	Fluorene	330.0 U
106-44-5	4-Methylphenol	330.0 U	100-01-6	4-Nitroaniline	1600.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	330.0 U	534-52-1	4,6-Dinitro-2-Methylphenol	1600.0 U
67-72-1	Hexachloroethane	330.0 U	86-30-6	N-Nitrosodiphenylamine (1)	330.0 U
98-95-3	Nitrobenzene	330.0 U	101-55-3	4-Bromophenyl-phenylether	330.0 U
78-59-1	Isophorone	330.0 U	118-74-1	Hexachlorobenzene	330.0 U
88-75-5	2-Nitrophenol	330.0 U	87-86-5	Pentachlorophenol	1600.0 U
105-67-9	2,4-Dimethylphenol	330.0 U	85-01-8	Phenanthrene	200.0 U
65-85-0	Benzoic Acid	1600.0 U	120-12-7	Anthracene	330.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	330.0 U	84-74-2	Di-n-Butylphthalate	330.0 U
120-83-2	2,4-Dichlorophenol	330.0 U	206-44-0	Fluoranthene	520.0 U
120-82-1	1,2,4-Trichlorobenzene	330.0 U	129-00-0	Pyrene	480.0 U
91-20-3	Naphthalene	330.0 U	85-68-7	Butylbenzylphthalate	330.0 U
106-47-8	4-Chloroaniline	330.0 U	91-94-1	3,3'-Dichlorobenzidine	660.0 U
87-68-3	Hexachlorobutadiene	330.0 U	56-55-3	Benzo(a)Anthracene	330.0 U
59-50-7	4-Chloro-3-Methylphenol	330.0 U	117-81-7	bis(2-Ethylhexyl)Phthalate	330.0 U
91-57-6	2-Methylnaphthalene	330.0 U	218-01-9	Chrysene	330.0 U
77-47-4	Hexachlorocyclopentadiene	330.0 U	117-84-0	Di-n-Octyl Phthalate	330.0 U
88-06-2	2,4,6-Trichlorophenol	330.0 U	205-99-2	Benzo(b)Fluoranthene	190.0 U
95-95-4	2,4,5-Trichlorophenol	1600.0 U	207-08-9	Benzo(k)Fluoranthene	210.0 U
91-58-7	2-Chloronaphthalene	330.0 U	50-32-8	Benzo(a)Pyrene	330.0 U
88-74-4	2-Nitroaniline	1600.0 U	193-39-5	Indeno(1,2,3-cd)Pyrene	330.0 U
131-11-3	Dimethyl Phthalate	330.0 U	53-70-3	Dibenz(a,h)Anthracene	330.0 U
208-96-8	Acenaphthylene	330.0 U	191-24-2	Benzo(g,h,i)Perylene	330.0 U
99-09-2	3-Nitroaniline	1600.0 U			

(1) - Cannot be separated from diphenylamine

SYL00114921

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

LABORATORY NAME: NAMCO LABS, INC.
CASE NO: NY DEC

SAMPLE NUMBER

SH 87 1306

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 9/23/87

Date Analyzed: 10/12/87

Conc/Dil Factor: -----> 1

Percent Moisture: 16

GPC Cleanup: Yes- No X

Separatory Funnel Extraction: Yes

Continuous Liquid-Liquid Extraction: Yes

CAS- Number		ug/l or <u>ug/Kg</u> (Circle One)
319-84-6	Alpha-BHC	8.00 U
319-85-7	Beta-BHC	8.00 U
319-86-8	Delta-BHC	8.00 U
58-89-9	Gamma-BHC (Lindane)	8.00 U
76-44-8	Heptachlor	8.00 U
309-00-2	Aldrin	8.00 U
1024-57-3	Heptachlor Epoxide	8.00 U
959-98-8	Endosulfan I	8.00 U
60-57-1	Dieldrin	16.00 U
72-55-9	<u>4,4'-DDE</u>	16
72-20-8	Endrin	16.00 U
33213-65-9	Endosulfan II	16.00 U
72-54-8	<u>4,4'-DDD</u>	18
7421-93-4	Endrin Aldehyde	16.00 U
1031-07-8	Endosulfan Sulfate	16.00 U
50-29-3	<u>4,4'-DDT</u>	21
53494-70-5	Endrin Ketone	16.00 U
72-43-5	Methoxychlor	80.00 U
57-74-9	Chlordane	80.00 U
8001-35-2	Toxaphene	160.00 U
12674-11-2	Aroclor-1016	80.00 U
11104-28-2	Aroclor-1221	80.00 U
11141-16-5	Aroclor-1232	80.00 U
53469-21-9	Aroclor-1242	80.00 U
12672-29-6	Aroclor-1248	80.00 U
11097-69-1	Aroclor-1254	160.00 U
11096-82-5	Aroclor-1260	160.00 U

Vi = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs _____ or Ws _____ Vt _____ 20000 _____ Vi _____ 3

ORGANICS ANALYSIS DATA SHEET

(PAGE 4)

SAMPLE NUMBER

LABORATORY NAME :NANCO LABS.INC.

CASE NO: NY DEC

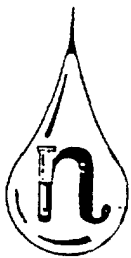
SH-87-130029-04

Tentatively Identified Compounds:

CAS		RT or Scan		Estimated
Number	Compound Name	Fraction	Number	Concentration
				(ug/l or ug/Kg)
1	NONE FOUND	VOA	----	-----
2				
3				
4				
5	UNKNOWN	BNA	75	1300 J
6	123422 2-PENTANONE,4-HYDROXY-4-METHYL	BNA	118	360000.0 J
7	UNKNOWN ALKANE	BNA	149	1300.0 J
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

FORM I, PART B

SYL00114923



ED a drum = 15, EP-10X not fine, but looks o.k. con-
Lan list of volatiles, semi-volatiles
and pet/PCB?

RECEIVED

OCT 22 1987

TECHNICAL SERVICES & RESEARCH
DIVISION OF WATER

SAMPLE DATA

SH-87-152014A-04

(Oakville site)
Site A/100

No tentative list!

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER

Laboratory Name: NAWCO LABORATORY INC.

Case No: NY DEC.

SH-87-152014

Lab File ID No: >82580

QC-Report No: N/A

Sample Matrix: SOIL

Contract No: N/A

Data Release Authorized By: 

Date Sample Received: 09/17/87

VOLATILE COMPOUNDS

Concentrations: Low Medium (Circle One)

Date Extracted/Prepared: 09/21/87

Date Analyzed: 09/21/87

Conc/Dil Factor: 1 pH: 2.0

Percent Moisture 6

CAS Number	ug/l or ug/Kg (Circle One)	CAS Number	ug/l or ug/l (Circle One)		
74-87-3	Chloromethane	10.0 U	79-34-5	1,1,2,2-Tetrachloroethane	5.0 U
74-83-9	Bromomethane	10.0 U	78-87-5	1,2-Dichloropropane	5.0 U
75-01-4	Vinyl Chloride	10.0 U	10061-02-6	Trans-1,3-Dichloropropene	5.0 U
75-00-3	Chloroethane	10.0 U	79-01-6	Trichloroethene	5.0 U
75-09-2	Methylene Chloride	76.0 B	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	67.0 B	79-00-5	1,1,2-Trichloroethane	5.0 U
75-15-0	Carbon Disulfide	5.0 U	71-43-2	Benzene	5.0 U
75-35-4	1,1-Dichloroethene	5.0 U	10061-01-5	cis-1,3-Dichloropropene	5.0 U
75-34-3	1,1-Dichloroethane	5.0 U	110-75-8	2-Chloroethylvinylether	10.0 U
156-60-5	Trans-1,2-Dichloroethene	5.0 U	75-25-2	Bromoform	5.0 U
67-66-3	Chloroform	5.0 U	591-78-6	2-Hexanone	10.0 U
107-06-2	1,2-Dichloroethane	5.0 U	108-10-1	4-Methyl-2-Pentanone	10.0 U
78-93-3	2-Butanone	10.0 U	127-18-4	Tetrachloroethene	5.0 U
71-55-6	1,1,1-Trichloroethane	5.0 U	108-88-3	Toluene	5.0 U
56-23-5	Carbon Tetrachloride	5.0 U	108-90-7	Chlorobenzene	5.0 U
108-05-4	Vinyl Acetate	10.0 U	100-41-4	Ethylbenzene	5.0 U
75-27-4	Bromodichloromethane	5.0 U	100-42-5	Styrene	5.0 U
				Total Xylenes	5.0 U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.

Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE	C
If the result is a value greater than or equal to the detection limit, report the value.	This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS.
U	B
Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U) based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.	This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
J	OTHER
Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 10J).	Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

ORGANIC ANALYSIS DATA SHEET

(PAGE 2)

LABORATORY NAME: NAMCO LABS. INC.

CASE NO: N.Y. D.E.C.

SAMPLE NO.

SH-87-1521

SEMIVOLATILE COMPOUNDS

Concentration:

Low

Medium

(Circle One)

GPC Cleanup: Yes No XXX

Date Extracted/Prepared: 09/23/87

Separatory Funnel Extractions: Yes

Date Analyzed: 10/09/87

Continuous Liquid - Liquid Extraction:

Conc/Dil Factor:----->

1

Percent Moisture: 2

CAS Number		ug/l or ug/Kg (Circle One)	CAS Number		ug/l or ug/Kg (Circle One)
108-95-2	Phenol	330.0 U	83-32-9	Acenaphthene-	330.0 U
111-44-4	bis(-2-Chloroethyl)Ether	330.0 U	51-28-5	2,4-Dinitrophenol	1600.0 U
95-57-8	2-Chlorophenol	330.0 U	100-02-7	4-Nitrophenol	1600.0 U
541-73-1	1,3-Dichlorobenzene-	330.0 U	132-64-9	Dibenzofuran-	330.0 U
106-46-7	1,4-Dichlorobenzene	330.0 U	121-14-2	2,4-Dinitrotoluene	330.0 U
100-51-6	Benzyl Alcohol	330.0 U	606-20-2	2,6-Dinitrotoluene	330.0 U
95-50-1	1,2-Dichlorobenzene	330.0 U	84-66-2	Diethylphthalate	330.0 U
95-48-7	2-Methylphenol	330.0 U	7005-72-3	4-Chlorophenyl-phenylether-	330.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	330.0 U	86-73-7	Fluorene	330.0 U
106-44-5	4-Methylphenol	330.0 U	100-01-6	4-Nitroaniline	1600.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	330.0 U	534-52-1	4,6-Dinitro-2-Methylphenol	1600.0 U
67-72-1	Hexachloroethane	330.0 U	86-30-6	N-Nitrosodiphenylamine (1)	330.0 U
98-95-3	Nitrobenzene	330.0 U	101-55-3	4-Bromophenyl-phenylether	330.0 U
78-59-1	Isophorone	330.0 U	118-74-1	Hexachlorobenzene	330.0 U
88-75-5	2-Nitrophenol	330.0 U	87-86-5	Pentachlorophenol	1600.0 U
105-67-9	2,4-Dimethylphenol	330.0 U	85-01-8	Phenanthrene	330.0 U
65-85-0	Benzoic Acid	1600.0 U	120-12-7	Anthracene	330.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	330.0 U	84-74-2	Di-n-Butylphthalate	330.0 U
120-83-2	2,4-Dichlorophenol	330.0 U	206-44-0	Fluoranthene	330.0 U
120-82-1	1,2,4-Trichlorobenzene	330.0 U	129-00-0	Pyrene-	330.0 U
91-20-3	Naphthalene	330.0 U	85-68-7	Butylbenzylphthalate	330.0 U
106-47-8	4-Chloroaniline	330.0 U	91-94-1	3,3'-Dichlorobenzidine	660.0 U
87-68-3	Hexachlorobutadiene	330.0 U	56-55-3	Benzo(a)Anthracene	330.0 U
59-50-7	4-Chloro-3-Methylphenol	330.0 U	117-81-7	bis(2-Ethylhexyl)Phthalate	330.0 U
91-57-6	2-Methylnaphthalene	330.0 U	218-01-9	Chrysene-	330.0 U
77-47-4	Hexachlorocyclopentadiene	330.0 U	117-84-0	Di-n-Octyl Phthalate	330.0 U
88-06-2	2,4,6-Trichlorophenol	330.0 U	205-99-2	Benzo(b)Fluoranthene	330.0 U
95-95-4	2,4,5-Trichlorophenol	1600.0 U	207-08-9	Benzo(k)Fluoranthene	330.0 U
91-58-7	2-Chloronaphthalene	330.0 U	50-32-8	Benzo(a)Pyrene-	330.0 U
88-74-4	2-Nitroaniline	1600.0 U	193-39-5	Indeno(1,2,3-cd)Pyrene	330.0 U
131-11-3	Dimethyl Phthalate	330.0 U	53-70-3	Dibenz(a,h)Anthracene-	330.0 U
208-96-8	Acenaphthylene	330.0 U	191-24-2	Benzo(g,h,i)Perylene	330.0 U
99-09-2	3-Nitroaniline	1600.0 U			

(1) - Cannot be separated from diphenylamine-

SYL00114926

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: MANCO LABS, INC.

CASE NO: NY DEC

SH 87 15208L

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 9/23/87

Date Analyzed: 10/11/87

Conc/Dil Factor: -----> 1

Percent Moisture: 2

GPC Cleanup: Yes _____ No X

Separatory Funnel Extractions: Yes _____

Continuous Liquid-Liquid Extractions: Yes _____

CAS
Numberug/l or ug/Kg
(Circle One)

319-84-6	Alpha-BHC	8.00 U
319-85-7	Beta-BHC	8.00 U
319-86-8	Delta-BHC	8.00 U
58-89-9	Gamma-BHC (Lindane)	8.00 U
76-44-8	Heptachlor	8.00 U
309-00-2	Aldrin	8.00 U
1024-57-3	Heptachlor Epoxide	19
959-98-8	Endosulfan I	8.00 U
60-57-1	Dieldrin	10 J
72-55-9	4,4'-DDE	16.00 U
72-20-8	Endrin	14 J
33213-65-9	Endosulfan II	4.1 J
72-54-8	4,4'-DDD	6.0 J
7421-93-4	Endrin Aldehyde	16.00 U
1031-07-8	Endosulfan Sulfate	8.2 J
50-29-3	4,4'-DDT	16.00 U
53494-70-5	Endrin Ketone	16.00 U
72-43-5	Methoxychlor	9.4 J
57-74-9	Chlordane	80.00 U
8001-35-2	Toxaphene	160.00 U
12674-11-2	Aroclor-1016	80.00 U
11104-28-2	Aroclor-1221	80.00 U
11141-16-5	Aroclor-1232	80.00 U
53469-21-9	Aroclor-1242	80.00 U
12672-29-6	Aroclor-1248	80.00 U
11097-69-1	Aroclor-1254	780
11096-82-5	Aroclor-1260	160.00 U

V_i = Volume of extract injected (ul)V_s = Volume of water extracted (ml)W_s = Weight of sample extracted (g)V_t = Volume of total extract (ul)V_s _____or W_s _____

30

V_t _____

20000

3

V_i _____

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

LABORATORY NAME :NANCO LABS.INC.
CASE NO: NY DEC

SAMPLE NUMBER

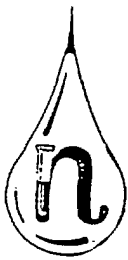
SH-87-152080-02

Tentatively Identified Compounds

CAS Number	Compound Name-	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1 -----	UNKNOWN	VOA	105	10.0 J
2 76131	ETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUORO	VOA	168	7.9 J
3 110543	HEXANE	VOA	257	6.5 J
4 -----				
5 -----	UNKNOWN	BNA	63	490.0 J
6 123422	2-PENTANONE,4-HYDROXY-4-METHYL	BNA	107	14000.0 J
7 -----	UNKNOWN ALKANE	BNA	135	570.0 J
8 -----	UNKNOWN ALKANE	BNA	144	750.0 J
9 -----	UNKNOWN CARBOXYLIC ACID	BNA	1368	4600.0 J
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

FORM 1, PART B

SYL00114928



Low amount of solids

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OCT 22 1987

TECHNICAL SERVICES & RESEARCH
DIVISION OF WATER

SAMPLE DATA

SH-87-152014A-02B *Cazotte 2nd*
Size B, clean

Tentative - *high amount*

SYL00114920

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER

Laboratory Name: MANCO LABORATORY INC.

Lab File ID No: A2535

Sample Matrix: SOIL

Data Release Authorized By: *John L. Gahan*

Case No: NY DEC.

QC Report No: N/A

Contract No: N/A

Date Sample Received: 09/17/87

SH-87-152014-0

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
 Date Extracted/Prepared: 09/19/87
 Date Analyzed: 09/19/87
 Conc/Dil Factor: 1 pH: 4.0
 Percent Moisture: 02

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)	CAS Number		ug/l or <u>ug/Kg</u> (Circle One)
74-87-3	Chloromethane	10.0 U	79-34-5	1,1,2,2-Tetrachloroethane	5.0 U
74-83-9	Bromomethane	10.0 U	78-87-5	1,2-Dichloropropane	5.0 U
75-01-4	Vinyl Chloride	10.0 U	10061-02-6	Trans-1,3-Dichloropropene	5.0 U
75-00-3	Chloroethane	10.0 U	79-01-6	Trichloroethene-	5.0 U
75-09-2	<u>Methylene Chloride</u>	<u>20.0 B</u>	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	<u>45.0 B</u>	79-00-5	1,1,2-Trichloroethane	5.0 U
75-15-0	Carbon Disulfide	5.0 U	71-43-2	Benzene	5.0 U
75-35-4	1,1-Dichloroethene	5.0 U	10061-01-5	cis-1,3-Dichloropropene	5.0 U
75-34-3	1,1-Dichloroethane	5.0 U	110-75-8	2-Chloroethylvinylether	10.0 U
156-60-5	Trans-1,2-Dichloroethene	5.0 U	75-25-2	Bromoform	5.0 U
67-66-3	Chloroform	5.0 U	591-78-6	2-Hexanone	10.0 U
107-06-2	1,2-Dichloroethane	5.0 U	108-10-1	4-Methyl-2-Pentanone	10.0 U
78-93-3	2-Butanone	10.0 U	127-18-4	Tetrachloroethene	5.0 U
71-55-6	1,1,1-Trichloroethane	5.0 U	108-88-3	Toluene	5.0 U
56-23-5	Carbon Tetrachloride	5.0 U	108-90-7	Chlorobenzene	5.0 U
108-05-4	Vinyl Acetate	10.0 U	100-41-4	Ethylbenzene	5.0 U
75-27-4	Bromodichloromethane	5.0 U	100-42-5	Styrene	5.0 U
				Total Xylenes	5.0 U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.
 Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE

If the result is a value greater than or equal to the detection limit, report the value.

U

Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J

Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J).

C

This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS.

B

This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

OTHER

Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: MANCO LABS. INC.
CASE NO: N.Y. D.E.C

SAMPLE NO.
SH-87-152014-C

SEMI-VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 09/26/87
Date Analyzed: 10/14/87
Conc/Dil Factor: ----- 1
Percent Moisture: 2

GPC Cleanup: Yes ___ No XXX
Separatory Funnel Extraction: Yes ___
Continuous Liquid - Liquid Extraction: Yes

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)	CAS Number		ug/l or <u>ug/Kg</u> (Circle One)
108-95-2	Phenol	19800.0 U	83-32-9	Acenaphthene	19800.0 U
111-44-4	bis(-2-Chloroethyl)Ether	19800.0 U	51-28-5	2,4-Dinitrophenol	96000.0 U
95-57-8	2-Chlorophenol	19800.0 U	100-02-7	4-Nitrophenol	96000.0 U
541-73-1	1,3-Dichlorobenzene	19800.0 U	132-64-9	Dibenzofuran	19800.0 U
106-46-7	1,4-Dichlorobenzene	19800.0 U	121-14-2	2,4-Dinitrotoluene	19800.0 U
100-51-6	Benzyl Alcohol	19800.0 U	606-20-2	2,6-Dinitrotoluene	19800.0 U
95-50-1	1,2-Dichlorobenzene	19800.0 U	84-66-2	Diethylphthalate	19800.0 U
95-48-7	2-Methylphenol	19800.0 U	7005-72-3	4-Chlorophenyl-phenylether	19800.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	19800.0 U	86-73-7	Fluorene	19800.0 U
106-44-5	4-Methylphenol	19800.0 U	100-01-6	4-Nitroaniline	96000.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	19800.0 U	534-52-1	4,6-Dinitro-2-Methylphenol	96000.0 U
67-72-1	Hexachloroethane	19800.0 U	86-30-6	N-Nitrosodiphenylamine (1)	19800.0 U
98-95-3	Nitrobenzene	19800.0 U	101-55-3	4-Bromophenyl-phenylether	19800.0 U
78-59-1	Isophorone	19800.0 U	118-74-1	Hexachlorobenzene	19800.0 U
88-75-5	2-Nitrophenol	19800.0 U	87-86-5	Pentachlorophenol	96000.0 U
105-67-9	2,4-Dimethylphenol	19800.0 U	85-01-8	Phenanthrene	19800.0 U
65-85-0	Benzoic Acid	96000.0 U	120-12-7	Anthracene	19800.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	19800.0 U	84-74-2	Di-n-Butylphthalate	19800.0 U
120-83-2	2,4-Dichlorophenol	19800.0 U	206-44-0	Fluoranthene	19800.0 U
120-82-1	1,2,4-Trichlorobenzene	19800.0 U	129-00-0	Pyrene	19800.0 U
91-20-3	Naphthalene	19800.0 U	85-68-7	Butylbenzylphthalate	19800.0 U
106-47-8	4-Chloroaniline	19800.0 U	91-94-1	3,3'-Dichlorobenzidine	39600.0 U
87-68-3	Hexachlorobutadiene	19800.0 U	56-55-3	Benzo(a)Anthracene	19800.0 U
59-50-7	4-Chloro-3-Methylphenol	19800.0 U	117-81-7	bis(2-Ethylhexyl)Phthalate	19800.0 U
91-57-6	2-Methylnaphthalene	19800.0 U	218-01-9	Chrysene	19800.0 U
77-47-4	Hexachlorocyclopentadiene	19800.0 U	117-84-0	Di-n-Octyl Phthalate	19800.0 U
88-06-2	2,4,6-Trichlorophenol	19800.0 U	205-99-2	Benzo(b)Fluoranthene	19800.0 U
95-95-4	2,4,5-Trichlorophenol	96000.0 U	207-08-9	Benzo(k)Fluoranthene	19800.0 U
91-58-7	2-Chloronaphthalene	19800.0 U	50-32-8	Benzo(a)Pyrene	19800.0 U
88-74-4	2-Nitroaniline	96000.0 U	193-39-5	Indeno(1,2,3-cd)Pyrene	19800.0 U
131-11-3	Dimethyl Phthalate	19800.0 U	53-70-3	Dibenz(a,h)Anthracene	19800.0 U
208-96-8	Acenaphthylene	19800.0 U	191-24-2	Benzo(g,h,i)Perylene	19800.0 U
99-09-2	3-Nitroaniline	96000.0 U			

(1) - Cannot be separated from diphenylamine

SYL00114931

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

LABORATORY NAME: NAWCO LABS, INC.

CASE NO: NY DEC.

SAMPLE NO

SH 87 1520

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 9/23/87

Date Analyzed: 10/12/87

Conc/Dil Factor: -----> 1

Percent Moisture: 18

GPC Cleanup: Yes No X

Separatory Funnel Extractions: Yes

Continuous Liquid-Liquid Extractions: Yes

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)
319-84-6	Alpha-BHC	8.00 U
319-85-7	Beta-BHC	8.00 U
319-86-8	Delta-BHC	8.00 U
58-89-9	Gamma-BHC (Lindane)	8.00 U
76-44-8	Heptachlor	8.00 U
309-00-2	Aldrin	8.00 U
1024-57-3	Heptachlor Epoxide	8.00 U
959-98-8	Endosulfan I	8.00 U
60-57-1	Dieldrin	16.00 U
72-55-9	4,4'-DDE	16.00 U
72-20-8	Endrin	16.00 U
33213-65-9	Endosulfan II	16.00 U
72-54-8	4,4'-DDD	16.00 U
7421-93-4	Endrin Aldehyde	16.00 U
1031-07-8	Endosulfan Sulfate	16.00 U
50-29-3	4,4'-DDT	16.00 U
53494-70-5	Endrin Ketone	16.00 U
72-43-5	Methoxychlor	80.00 U
57-74-9	Chlordane	80.00 U
8001-35-2	Toxaphene	160.00 U
12674-11-2	Aroclor-1016	80.00 U
11104-28-2	Aroclor-1221	80.00 U
11141-16-5	Aroclor-1232	80.00 U
53469-21-9	Aroclor-1242	80.00 U
12672-29-6	Aroclor-1248	80.00 U
11097-69-1	Aroclor-1254	160.00 U
11096-82-5	Aroclor-1260	160.00 U

Vf = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs _____ or Ws _____ Vt _____ Vf _____

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

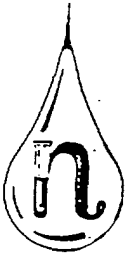
LABORATORY NAME :NANCO LABS.INC.
CASE NO: NY DEC

SAMPLE NUMBER

SN-87-152014-02B.

Tentatively Identified Compounds

CAS Number	Compound Name -	Fraction	RT or Scan Number	Estimated: Concentration	
				(ug/l or	ug/Kg)
1 110543	HEXANE	VOA	240	10.0	JB
2 -----	UNKNOWN	VOA	332	5.7	J
3 -----					
4 -----	UNKNOWN ALKANE	BNA	1000	10000.0	J
5 -----	UNKNOWN ALKANE	BNA	1066	13000.0	J
6 -----	UNKNOWN	BNA	1105	12000.0	J
7 -----	UNKNOWN	BNA	1130	18000.0	J
8 -----	UNKNOWN	BNA	1149	9900.0	J
9 -----	UNKNOWN	BNA	1164	23000.0	J
10 -----	UNKNOWN	BNA	1190	11000.0	J
11 -----	UNKNOWN	BNA	1212	54000.0	J
12 -----	UNKNOWN	BNA	1267	32000.0	J
13 -----	UNKNOWN ALKANE	BNA	1406	35000.0	J
14 -----	UNKNOWN	BNA	1441	29000.0	J
15 -----	UNKNOWN	BNA	1508	58000.0	J
16 -----	UNKNOWN	BNA	1571	81000.0	J
17 -----	UNKNOWN	BNA	1629	52000.0	J
18 -----	UNKNOWN	BNA	1675	250000.0	J
19 -----	UNKNOWN	BNA	1713	47000.0	J
20 -----	UNKNOWN ALKANE	BNA	1767	60000.0	J
21 -----	UNKNOWN ALKANE	BNA	1886	43000.0	J
22 -----	UNKNOWN ALKANE	BNA	1962	42000.0	J
23 -----	UNKNOWN ALKANE	BNA	2051	52000.0	J
24 -----					
25 -----					
26 -----					



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OCT 22 1987

TECHNICAL SERVICES & RESEARCH
DIVISION OF WATER

Methylene chloride - 11 ppm, also found
Acetone - 83 " in the blank
Total xylenes - 41 ppm
Nitrobenzene - 6.7 " approximate
Naphthalene - 2.5 "

SAMPLE DATA

SH-87-152014A-03

Caution: drums
of soil

Tentative - high concentrations of
compounds

SYL00114934

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER

Laboratory Name: NAWCO LABORATORY INC.

Lab File ID No: 82648

Sample Matrix: SOIL

Data Release Authorized By:

Case No: NY DEC

QC Report No: N/A

Contract No: N/A

Date Sample Received: 09/17/87

SH-87-152014

VOLATILE COMPOUNDS

Concentrations: Low Medium (Circle One)
Date Extracted/Prepared: 09/26/87
Date Analyzed: 09/26/87
Conc/Dil Factor: 10 pH: 3.9
Percent Moisture: 02

CAS Number	ug/l or <u>ug/Kg</u> (Circle One)	CAS Number	ug/l or <u>ug/</u> (Circle One)		
74-87-3	Chloromethane	10000.0 U	79-34-5	1,1,2,2-Tetrachloroethane	5000.0 U
74-83-9	Bromomethane	10000.0 U	78-87-5	1,2-Dichloropropane	5000.0 U
75-01-4	Vinyl Chloride	10000.0 U	10061-02-6	Trans-1,3-Dichloropropene	5000.0 U
75-00-3	Chloroethane	10000.0 U	79-01-6	Trichloroethene	5000.0 U
75-09-2	<u>Methylene Chloride</u>	11000.0 B	124-48-1	Dibromochloromethane	5000.0 U
67-64-1	Acetone	83000.0 B	79-00-5	1,1,2-Trichloroethane	5000.0 U
75-15-0	Carbon Disulfide	5000.0 U	71-43-2	Benzene	5000.0 U
75-35-4	1,1-Dichloroethene	5000.0 U	10061-01-5	cis-1,3-Dichloropropene	5000.0 U
75-34-3	1,1-Dichloroethane	5000.0 U	110-75-8	2-Chloroethylvinylether	10000.0 U
156-60-5	Trans-1,2-Dichloroethene	5000.0 U	75-25-2	Bromoform	5000.0 U
67-66-3	Chloroform	5000.0 U	591-78-6	2-Hexanone	10000.0 U
107-06-2	1,2-Dichloroethane	5000.0 U	108-10-1	4-Methyl-2-Pentanone	10000.0 U
78-93-3	2-Butanone	10000.0 U	127-18-4	Tetrachloroethene	5000.0 U
71-55-6	1,1,1-Trichloroethane	5000.0 U	108-88-3	Toluene	5000.0 U
56-23-5	Carbon Tetrachloride	5000.0 U	108-90-7	Chlorobenzene	5000.0 U
108-05-4	Vinyl Acetate	10000.0 U	100-41-4	Ethylbenzene	5000.0 U
75-27-4	Bromodichloromethane	5000.0 U	100-42-5	Styrene	5000.0 U
				Total Xylenes	41000.0

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.

Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE

If the result is a value greater than or equal to the detection limit, report the value.

U

Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J).

C

This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS.

B

This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

OTHER

Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

SYL00114935

ORGANIC ANALYSIS DATA SHEET

(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.

CASE NO: N.Y. D.E.C.

SAMPLE NO.

SH-87-1520

SEMIVOLATILE COMPOUNDS

Concentration: Low - Medium (Circle One)

Date Extracted/Prepared: 09/26/87

Date Analyzed: 10/15/87

Conc/Dil Factor: ----- 1

Percent Moisture: 2

GPC Cleanup: Yes _____ No XXX

Separatory Funnel Extractions: Yes _____

Continuous Liquid - Liquid Extractions: _____

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)	CAS Number		ug/l or <u>ug/Kg</u> (Circle One)
108-95-2	Phenol	19800.0 U	83-32-9	Acenaphthene	19800.0 U
111-44-4	bis(-2-Chloroethyl)Ether	19800.0 U	51-28-5	2,4-Dinitrophenol	96000.0 U
95-57-8	2-Chlorophenol	19800.0 U	100-02-7	4-Nitrophenol	96000.0 U
541-73-1	1,3-Dichlorobenzene	19800.0 U	132-64-9	Dibenzofuran	19800.0 U
106-46-7	1,4-Dichlorobenzene	19800.0 U	121-14-2	2,4-Dinitrotoluene	19800.0 U
100-51-6	Benzyl Alcohol	19800.0 U	606-20-2	2,6-Dinitrotoluene	19800.0 U
95-50-1	1,2-Dichlorobenzene	19800.0 U	84-66-2	Diethylphthalate	19800.0 U
95-48-7	2-Methylphenol	19800.0 U	7005-72-3	4-Chlorophenyl-phenylether	19800.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	19800.0 U	86-73-7	Fluorene	19800.0 U
106-44-5	4-Methylphenol	19800.0 U	100-01-6	4-Nitroaniline	96000.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	19800.0 U	534-52-1	4,6-Dinitro-2-Methylphenol	96000.0 U
67-72-1	Hexachloroethane	19800.0 U	86-30-6	N-Nitrosodiphenylamine (1)	19800.0 U
98-95-3	Nitrobenzene	3100.0 U	101-55-3	4-Bromophenyl-phenylether	19800.0 U
78-59-1	Isophorone	19800.0 U	118-74-1	Hexachlorobenzene	19800.0 U
88-75-5	2-Nitrophenol	19800.0 U	87-86-5	Pentachlorophenol	96000.0 U
105-67-9	2,4-Dimethylphenol	19800.0 U	85-01-8	Phenanthrene	19800.0 U
65-85-0	Benzoic Acid	96000.0 U	120-12-7	Anthracene	19800.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	19800.0 U	84-74-2	Di-n-Butylphthalate	19800.0 U
120-83-2	2,4-Dichlorophenol	19800.0 U	206-44-0	Fluoranthene	19800.0 U
120-82-1	1,2,4-Trichlorobenzene	19800.0 U	129-00-0	Pyrene	19800.0 U
91-20-3	Naphthalene	2600.0 U	85-68-7	Butylbenzylphthalate	19800.0 U
106-47-8	4-Chloroaniline	19800.0 U	91-94-1	3,3'-Dichlorobenzidine	39600.0 U
87-68-3	Hexachlorobutadiene	19800.0 U	56-55-3	Benzo(a)Anthracene	19800.0 U
59-50-7	4-Chloro-3-Methylphenol	19800.0 U	117-81-7	bis(2-Ethylhexyl)Phthalate	19800.0 U
91-57-6	2-Methylnaphthalene	19800.0 U	218-01-9	Chrysene	19800.0 U
77-47-4	Hexachlorocyclopentadiene	19800.0 U	117-84-0	Di-n-Octyl Phthalate	19800.0 U
88-06-2	2,4,6-Trichlorophenol	19800.0 U	205-99-2	Benzo(b)Fluoranthene	19800.0 U
95-95-4	2,4,5-Trichlorophenol	96000.0 U	207-08-9	Benzo(k)Fluoranthene	19800.0 U
91-58-7	2-Chloronaphthalene	19800.0 U	50-32-8	Benzo(a)Pyrene	19800.0 U
88-74-4	2-Nitroaniline	96000.0 U	193-39-5	Indeno(1,2,3-cd)Pyrene	19800.0 U
131-11-3	Dimethyl Phthalate	19800.0 U	53-70-3	Dibenz(a,h)Anthracene	19800.0 U
208-96-8	Acenaphthylene	19800.0 U	191-24-2	Benzo(g,h,i)Perylene	19800.0 U
99-09-2	3-Nitroaniline	96000.0 U			

(1) - Cannot be separated from diphenylamine

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NAMCO LABS, INC.

CASE NO: NY DEC

SH 87 152014

PESTICIDE/PCBs

Concentrations: Low Medium (Circle One)

Date Extracted/Prepared: 9/26/87

Date Analyzed: 10/12/87

Conc/Dil Factor: -----> 1

Percent Moisture: 2

GPC Cleanup: Yes _____ No X

Separatory Funnel-Extractions: Yes _____

Continuous Liquid-Liquid Extractions: Yes _____

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)
319-84-6	Alpha-BHC	120.00 U
319-85-7	Beta-BHC	120.00 U
319-86-8	Delta-BHC	120.00 U
58-89-9	Gamma-BHC (Lindane)	120.00 U
76-44-8	Heptachlor	120.00 U
309-00-2	Aldrin	120.00 U
1024-57-3	Heptachlor Epoxide	120.00 U
959-98-8	Endosulfan I	120.00 U
60-57-1	Dieldrin	240.00 U
72-55-9	4,4'-DDE	240.00 U
72-20-8	Endrin	240.00 U
33213-65-9	Endosulfan II	240.00 U
72-54-8	4,4'-DDD	240.00 U
7421-93-4	Endrin Aldehyde	240.00 U
1031-07-8	Endosulfan Sulfate	240.00 U
50-29-3	4,4'-DDT	240.00 U
53494-70-5	Endrin Ketone	240.00 U
72-43-5	Methoxychlor	1200.00 U
57-74-9	Chlordane	1200.00 U
8001-35-2	Toxaphene	2400.00 U
12674-11-2	Aroclor-1016	1200.00 U
11104-28-2	Aroclor-1221	1200.00 U
11141-16-5	Aroclor-1232	1200.00 U
53469-21-9	Aroclor-1242	1200.00 U
12672-29-6	Aroclor-1248	1200.00 U
11097-69-1	Aroclor-1254	2400.00 U
11096-82-5	Aroclor-1260	2400.00 U

Vi = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs _____

or Ws

1

Vt

10000 ^{mtE}

Vi

3

ORGANICS ANALYSIS DATA SHEET

(PAGE 4)

LABORATORY NAME :NANCO LABS.INC.

CASE NO: NY DEC

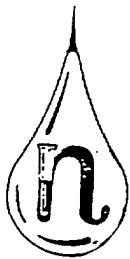
SAMPLE NUMBER

SH-87-152014A-03

Tentatively Identified Compounds

CAS Number	Compound Name -	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1 -----	UNKNOWN ALKANE	VOA	346	28.0 J
2 584941	HEXANE,2,3-DIMETHYL	VOA	356	29.0 J
3 589811	HEPTANE,3-METHYL	VOA	360	29.0 J
4 892278	HEPTANE,2-METHYL	VOA	368	30.0 J
5 -----	UNKNOWN ALKANE	VOA	394	32.0 J
6 -----	UNKNOWN ALKANE	VOA	465	37.0 J
7 -----	UNKNOWN ALKANE	VOA	475	38.0 J
8 3221612	OCTANE,2-METHYL	VOA	494	39.0 J
9 111842	NONANE	VOA	553	44.0 J
10				
11				
12				
13 -----	UNKNOWN ALKANE	BNA	61	75000.0 J
14 -----	UNKNOWN ALKANE	BNA	72	100000.0 J
15 -----	UNKNOWN ALKANE	BNA	83	180000.0 J
16 -----	UNKNOWN	BNA	97	53000.0 J
17 -----	UNKNOWN ALKANE	BNA	113	83000.0 J
18 -----	UNKNOWN ALKANE	BNA	115	52000.0 J
19 -----	UNKNOWN ALKANE	BNA	120	49000.0 J
20 -----	ISOMER OF DIMETHYL BENZENE	BNA	129	330000.0 J
21 -----	UNKNOWN ALKANE	BNA	139	200000.0 J
22 -----	ISOMER OF DIMETHYL BENZENE	BNA	160	66000.0 J
23 -----	UNKNOWN ALKANE	BNA	177	83000.0 J
24 1678928	PROPYL-CYCLOHEXANE	BNA	211	42000.0 J
25 -----	UNKNOWN ALKANE	BNA	221	39000.0 J
26 -----	UNKNOWN ALKANE	BNA	261	53000.0 J
27 -----	UNKNOWN ALKANE	BNA	269	59000.0 J
28 -----	UNKNOWN ALKANE	BNA	307	19000.0 J
29 -----	UNKNOWN	BNA	327	48000.0 J
30 -----	UNKNOWN ALKANE	BNA	332	72000.0 J
31 -----	UNKNOWN HYDROCARBON	BNA	339	61000.0 J
32 -----	UNKNOWN ALKANE	BNA	418	160000.0 J

SYL00114938



High concentr. of volatiles,
Semi-volatiles.

Low concentr. of PCB/pvt.

RECEIVED

OCT 22 1987

TECHNICAL SERVICES & RESEARCH
DIVISION OF WATER

SAMPLE DATA

SH-87-152014-01B (Daxville Pond
Site B, drum #

High concentr.

SYL00114939

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NO.

Laboratory Name: NAWCO LABORATORY INC.

Lab File ID No: 82610

Sample Matrix: SOIL

Data Release Authorized By:

Case No: NY DEC

QC Report No: N/A

Contract No: N/A

Date Sample Received: 09/17/87

SH-87-1520140

VOLATILE COMPOUNDS

Concentrations: Low Medium (Circle One)
 Date Extracted/Prepared: 09/20/87
 Date Analyzed: 09/20/87
 Conc/Dil Factor: 1 pH: 3.9
 Percent Moisture: 18

CAS Number	ug/l or <u>ug/kg</u> (Circle One)	CAS Number	ug/l or <u>ug/kg</u> (Circle One)
74-87-3 Chloromethane	1000.0 U	79-34-5 1,1,2,2-Tetrachloroethane	500.0 U
74-83-9 Bromomethane	1000.0 U	78-87-5 1,2-Dichloropropane	500.0 U
75-01-4 Vinyl Chloride	1000.0 U	10061-02-6 Trans-1,3-Dichloropropene	500.0 U
75-00-3 Chloroethane	1000.0 U	79-01-6 Trichloroethene	500.0 U
75-09-2 Methylene Chloride	470.0 JB	124-48-1 Dibromochloromethane	500.0 U
67-64-1 Acetone	4300.0 B	79-00-5 1,1,2-Trichloroethane	500.0 U
75-15-0 Carbon Disulfide	500.0 U	71-43-2 Benzene	500.0 U
75-35-4 1,1-Dichloroethene	500.0 U	10061-01-5 cis-1,3-Dichloropropene	500.0 U
75-34-3 1,1-Dichloroethane	500.0 U	110-75-8 2-Chloroethylvinylether	1000.0 U
156-60-5 Trans-1,2-Dichloroethene	500.0 U	75-25-2 Bromoform	500.0 U
67-66-3 Chloroform	500.0 U	591-78-6 2-Hexanone	1000.0 U
107-06-2 1,2-Dichloroethane	500.0 U	108-10-1 4-Methyl-2-Pentanone	1000.0 U
78-93-3 2-Butanone	1000.0 U	127-18-4 Tetrachloroethene	500.0 U
71-55-6 1,1,1-Trichloroethane	500.0 U	108-88-3 Toluene	500.0 U
56-23-5 Carbon Tetrachloride	500.0 U	108-90-7 Chlorobenzene	500.0 U
108-05-4 Vinyl Acetate	1000.0 U	100-41-4 Ethylbenzene	12000.0
75-27-4 Bromodichloromethane	500.0 U	100-42-5 Styrene	500.0 U
		Total Xylenes	14000.0

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.
 Additional flags or footnotes explaining results are encouraged. However, the
 definition of each flag must be explicit.

VALUE

If the result is a value greater than or equal to the detection limit, report the value.

U

Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J

Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J).

C

This flag applies to pesticide parameters where the identification has been confirmed by GC/MS Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS

B

This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

OTHER

Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

ORGANIC ANALYSIS DATA SHEET

(PAGE 2)

LABORATORY NAME: MANCO LABS. INC.

CASE NO: N.Y. D.E.C.

SAMPLE NO.

SH-87-152014-

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium

(Circle One)

Date Extracted/Prepared: 09/26/87

GPC Cleanup: Yes No XXX

Date Analyzed: 10/16/87

Separatory Funnel Extractions: Yes

Conc/Dil Factor:-----> 1

Continuous Liquid - Liquid Extraction: Yes

Percent Moisture: 18

CAS Number		ug/l or <u>ug/kg</u> (Circle One)	CAS Number		ug/l or <u>ug/kg</u> (Circle One)
108-95-2	Phenol	19800.0 U	83-32-9	Acenaphthene	19800.0 U
111-44-4	bis(-2-Chloroethyl)Ether	19800.0 U	51-28-5	2,4-Dinitrophenol	96000.0 U
95-57-8	2-Chlorophenol	19800.0 U	100-02-7	4-Nitrophenol	96000.0 U
541-73-1	1,3-Dichlorobenzene	19800.0 U	132-64-9	Dibenzofuran	19800.0 U
106-46-7	1,4-Dichlorobenzene	19800.0 U	121-14-2	2,4-Dinitrotoluene	19800.0 U
100-51-6	Benzyl Alcohol	19800.0 U	606-20-2	2,6-Dinitrotoluene	19800.0 U
95-50-1	1,2-Dichlorobenzene	19800.0 U	84-66-2	Diethylphthalate	19800.0 U
95-48-7	2-Methylphenol	19800.0 U	7005-72-3	4-Chlorophenyl-phenylether	19800.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	19800.0 U	86-73-7	Fluorene	19800.0 U
106-44-5	4-Methylphenol	19800.0 U	100-01-6	4-Nitroaniline	96000.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	19800.0 U	534-52-1	4,6-Dinitro-2-Methylphenol	96000.0 U
67-72-1	Hexachloroethane	19800.0 U	86-30-6	N-Nitrosodiphenylamine (1)	19800.0 U
98-95-3	Nitrobenzene	33000.0	101-55-3	4-Bromophenyl-phenylether	19800.0 U
78-59-1	Isophorone	620000.0	118-74-1	Hexachlorobenzene	19800.0 U
88-75-5	2-Nitrophenol	19800.0 U	87-86-5	Pentachlorophenol	96000.0 U
105-67-9	2,4-Dimethylphenol	19800.0 U	85-01-8	Phenanthrene	19800.0 U
65-85-0	Benzoic Acid	27000.0	120-12-7	Anthracene	19800.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	52000.0	84-74-2	Di-n-Butylphthalate	19800.0 U
120-83-2	2,4-Dichlorophenol	19800.0 U	206-44-0	Fluoranthene	19800.0 U
120-82-1	1,2,4-Trichlorobenzene	19800.0 U	129-00-0	Pyrene	19800.0 U
91-20-3	Naphthalene	1100000.0	85-68-7	Butylbenzylphthalate	19800.0 U
106-47-8	4-Chloroaniline	1100000.0	91-94-1	3,3'-Dichlorobenzidine	39600.0 U
87-68-3	Hexachlorobutadiene	19800.0 U	56-55-3	Benzo(a)Anthracene	19800.0 U
59-50-7	4-Chloro-3-Methylphenol	19800.0 U	117-81-7	bis(2-Ethylhexyl)Phthalate	19800.0 U
91-57-6	2-Methylnaphthalene	160000.0	218-01-9	Chrysene	19800.0 U
77-47-4	Hexachlorocyclopentadiene	19800.0 U	117-84-0	Di-n-Octyl Phthalate	19800.0 U
88-06-2	2,4,6-Trichlorophenol	19800.0 U	205-99-2	Benzo(b)Fluoranthene	19800.0 U
95-95-4	2,4,5-Trichlorophenol	96000.0 U	207-08-9	Benzo(k)Fluoranthene	19800.0 U
91-58-7	2-Chloronaphthalene	19800.0 U	50-32-8	Benzo(a)Pyrene	19800.0 U
88-74-4	2-Nitroaniline	96000.0 U	193-39-5	Indeno(1,2,3-cd)Pyrene	19800.0 U
131-11-3	Dimethyl Phthalate	19800.0 U	53-70-3	Dibenz(a,h)Anthracene	19800.0 U
208-96-8	Acenaphthylene	19800.0 U	191-24-2	Benzo(g,h,i)Perylene	19800.0 U
99-09-2	3-Nitroaniline	96000.0 U			

(1) - Cannot be separated from diphenylamine

SYL00114941

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUM 3

LABORATORY NAME: NAMCO LABS, INC.

CASE NO: NY DEC

SH 87 15214

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 9/26/87

Date Analyzed: 10/12/87

Conc/Dil Factor: -----> 1

Percent Moisture: 18

GPC Cleanup: Yes ___ No X ___

Separatory Funnel Extraction: Yes ___

Continuous Liquid-Liquid Extraction: Yes ___

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)
319-84-6	Alpha-BHC	120.00 U
319-85-7	Beta-BHC	120.00 U
319-86-8	Delta-BHC	120.00 U
58-89-9	Gamma-BHC (Lindane)	120.00 U
76-44-8	Heptachlor	120.00 U
309-00-2	Aldrin	43 43 J
1024-57-3	Heptachlor Epoxide	120.00 U
959-98-8	Endosulfan I	61 61 J
60-57-1	Dieldrin	240.00 U
72-55-9	4,4'-DDE	160 16 J
72-20-8	Endrin	240.00 U
33213-65-9	Endosulfan II	46 46 J
72-54-8	4,4'-DDD	240.00 U
7421-93-4	Endrin Aldehyde	240.00 U
1031-07-8	Endosulfan Sulfate	97 97 J
50-29-3	4,4'-DDT	240.00 U
53494-70-5	Endrin Ketone	240.00 U
72-43-5	Methoxychlor	1200.00 U
57-74-9	Chlordane	1200.00 U
8001-35-2	Toxaphene	2400.00 U
12674-11-2	Aroclor-1016	1200.00 U
11104-28-2	Aroclor-1221	1200.00 U
11141-16-5	Aroclor-1232	1200.00 U
53469-21-9	Aroclor-1242	1200.00 U
12672-29-6	Aroclor-1248	1200.00 U
11097-69-1	Aroclor-1254	2400.00 U
11096-82-5	Aroclor-1260	2400.00 U

Vi = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs _____

or Ws _____

Vt _____

Vi _____

ORGANICS ANALYSIS DATA SHEET

(PAGE 4)

SAMPLE NUMBER

LABORATORY NAME :NANCO LABS.INC.

CASE NO: NY DEC

SH-87-152014-018

Tentatively Identified Compounds.

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration
				(ug/l or ug/Kg)
1	UNKNOWN ALKANE	VOA	361	84,000.0 J
2	UNKNOWN ALKANE	VOA	382	51,000.0 J
3	UNKNOWN	VOA	393	44,000.0 J
4	98828 BENZENE,(1-METHYLETHYL)	VOA	399	93,000.0 J
5	UNKNOWN ISOMER OF BENZENE	VOA	426	170,000.0 J
6	103651 BENZENE,PROPYL	VOA	467	302,000.0 J
7	135988 BENZENE,(1-METHYLPROPYL)	VOA	490	181,000.0 J
8	611143 BENZENE,1-ETHYL1-2-METHYL	VOA	522	574,000.0 J
9	611143 BENZENE,1-ETHYL1-2-METHYL	VOA	543	836,000.0 J
10	99876 BENZENE,1-METHYL1-4-(1-METHYLETHYL)	VOA	579	543,000.0 J
11				
12				
13				
14	UNKNOWN ALKANE	BNA	245	190000.0 J
15	UNKNOWN	BNA	276	140000.0 J
16	UNKNOWN	BNA	311	240000.0 J
17	UNKNOWN ALKANE	BNA	318	240000.0 J
18	UNKNOWN ALKANE	BNA	323	190000.0 J
19	UNKNOWN ALKANE	BNA	330	140000.0 J
20	UNKNOWN	BNA	346	170000.0 J
21	UNKNOWN	BNA	361	190000.0 J
22	UNKNOWN ALKANE	BNA	365	1700000.0 J
23	UNKNOWN ALKANE	BNA	372	240000.0 J
24	UNKNOWN	BNA	384	170000.0 J
25	UNKNOWN ALKANE	BNA	407	12000000.0 J
26	UNKNOWN ALKANE	BNA	421	4400000.0 J
27	UNKNOWN ALKANE	BNA	431	1800000.0 J
28	UNKNOWN	BNA	446	1600000.0 J
29	UNKNOWN	BNA	453	1700000.0 J
30	UNKNOWN	BNA	458	1900000.0 J
31	UNKNOWN ALKANE	BNA	467	1900000.0 J
32	UNKNOWN ALKANE	BNA	473	1100000.0 J
33	UNKNOWN ALKANE	BNA	502	3200000.0 J
34				
35				
36				

SYL00114943



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TECHNICAL SERVICES & RESEARCH
DIVISION OF WATER

Specific - 2.15 - approx. water
Nitrogen Nitride - 0.017 gals. - used in tank
Nitrate - 0.026

SAMPLE DATA

SH-82-1520/4 A-01 (sample from
Site 2, tank)

Total Nitrate - CAS 123001 5.2 ppm
Nitrate

SYL00114944

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER

Laboratory Name: NANCY LABORATORY INC.

Case No: NY DEC

SH-87-152014A

Lab File ID No: A2536

GC Report No: N/A

Sample Matrix: SOIL

Contract No: N/A

Data Release Authorized By: *Schulz*

Date Sample Received: 09/17/87

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 09/19/87

Date Analyzed: 09/19/87

Conc/Dil Factor: 1 pH: 5.5

Percent Moisture: 06

CAS Number	ug/l or <u>ug/Kg</u> (Circle One)	CAS Number	ug/l or <u>ug/K</u> (Circle One)		
74-87-3	Chloromethane	10.0 U	79-34-5	1,1,2,2-Tetrachloroethane	5.0 U
74-83-9	Bromomethane	10.0 U	78-87-5	1,2-Dichloropropane	5.0 U
75-01-4	Vinyl Chloride	10.0 U	10061-02-6	Trans-1,3-Dichloropropene	5.0 U
75-00-3	Chloroethane	10.0 U	79-01-6	Trichloroethene	5.0 U
75-09-2	Methylene Chloride	17.0 B	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	26.0 B	79-00-5	1,1,2-Trichloroethane	5.0 U
75-15-0	Carbon Disulfide	5.0 U	71-43-2	Benzene	5.0 U
75-35-4	1,1-Dichloroethene	5.0 U	10061-01-5	cis-1,3-Dichloropropene	5.0 U
75-34-3	1,1-Dichloroethane	5.0 U	110-75-8	2-Chloroethylvinylether	10.0 U
156-60-5	Trans-1,2-Dichloroethene	5.0 U	75-25-2	Bromoform	5.0 U
67-66-3	Chloroform	5.0 U	591-78-6	2-Hexanone	10.0 U
107-06-2	1,2-Dichloroethane	5.0 U	108-10-1	4-Methyl-2-Pentanone	10.0 U
78-93-3	2-Butanone	10.0 U	127-18-4	Tetrachloroethene	5.0 U
71-55-6	1,1,1-Trichloroethane	5.0 U	108-88-3	Toluene	5.0 U
56-23-5	Carbon Tetrachloride	5.0 U	108-90-7	Chlorobenzene	5.0 U
108-05-4	Vinyl Acetate	10.0 U	100-41-4	Ethylbenzene	5.0 U
75-27-4	Bromodichloromethane	5.0 U	100-42-5	Styrene	5.0 U
				Total Xylenes	5.0 U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.

Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE	C
If the result is a value greater than or equal to the detection limit, report the value.	This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS.
U	B
Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.	This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J).	OTHER Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

SYL00114945

ORGANIC ANALYSIS DATA SHEET

(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.

CASE NO: N.Y. D.E.C.

SAMPLE NO.

SH-87-1520

SEMI-VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 09/23/87

Date Analyzed: 10/13/87

Conc/Dil Factor:----->

Percent Moisture: 6

GPC Cleanup: Yes No XXX

Separatory Funnel Extraction: Yes

Continuous Liquid - Liquid Extractions:

CAS Number		ug/l or ug/Kg (Circle One)	CAS Number		ug/l or ug/Kg (Circle One)
108-95-2	Phenol	330.0 U	83-32-9	Acenaphthene	330.0 U
111-44-4	bis(-2-Chloroethyl)Ether	330.0 U	51-28-5	2,4-Dinitrophenol	1600.0 U
95-57-8	2-Chlorophenol	330.0 U	100-02-7	4-Nitrophenol	1600.0 U
541-73-1	1,3-Dichlorobenzene	330.0 U	132-64-9	Dibenzofuran	330.0 U
106-46-7	1,4-Dichlorobenzene	330.0 U	121-14-2	2,4-Dinitrotoluene	330.0 U
100-51-6	Benzyl Alcohol	330.0 U	606-20-2	2,6-Dinitrotoluene	330.0 U
95-50-1	1,2-Dichlorobenzene	330.0 U	84-66-2	Diethylphthalate	330.0 U
95-48-7	2-Methylphenol	330.0 U	7005-72-3	4-Chlorophenyl-phenylether	330.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	330.0 U	86-73-7	Fluorene	330.0 U
106-44-5	4-Methylphenol	330.0 U	100-01-6	4-Nitroaniline	1600.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	330.0 U	534-52-1	4,6-Dinitro-2-Methylphenol	1600.0 U
67-72-1	Hexachloroethane	330.0 U	86-30-6	N-Nitrosodiphenylamine (1)	330.0 U
98-95-3	Nitrobenzene	330.0 U	101-55-3	4-Bromophenyl-phenylether	330.0 U
78-59-1	Isophorone	330.0 U	118-74-1	Hexachlorobenzene	330.0 U
88-75-5	2-Nitrophenol	330.0 U	87-86-5	Pentachlorophenol	1600.0 U
105-67-9	2,4-Dimethylphenol	330.0 U	85-01-8	Phenanthrene	330.0 U
65-85-0	Benzoic Acid	1600.0 U	120-12-7	Anthracene	330.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	330.0 U	84-74-2	Di-n-Butylphthalate	330.0 U
120-83-2	2,4-Dichlorophenol	330.0 U	206-44-0	Fluoranthene	330.0 U
120-82-1	1,2,4-Trichlorobenzene	330.0 U	129-00-0	Pyrene	130.0 U
91-20-3	Naphthalene	330.0 U	85-68-7	Butylbenzylphthalate	330.0 U
106-47-8	4-Chloroaniline	330.0 U	91-94-1	3,3'-Dichlorobenzidine	660.0 U
87-68-3	Hexachlorobutadiene	330.0 U	56-55-3	Benzo(a)Anthracene	330.0 U
59-50-7	4-Chloro-3-Methylphenol	330.0 U	117-81-7	bis(2-Ethylhexyl)Phthalate	330.0 U
91-57-6	2-Methylnaphthalene	330.0 U	218-01-9	Chrysene	330.0 U
77-47-4	Hexachlorocyclopentadiene	330.0 U	117-84-0	Di-n-Octyl Phthalate	330.0 U
88-06-2	2,4,6-Trichlorophenol	330.0 U	205-99-2	Benzo(b)Fluoranthene	330.0 U
95-95-4	2,4,5-Trichlorophenol	1600.0 U	207-08-9	Benzo(k)Fluoranthene	330.0 U
91-58-7	2-Chloronaphthalene	330.0 U	50-32-8	Benzo(a)Pyrene	330.0 U
88-74-4	2-Nitroaniline	1600.0 U	193-39-5	Indeno(1,2,3-cd)Pyrene	330.0 U
131-11-3	Dimethyl Phthalate	330.0 U	53-70-3	Dibenz(a,h)Anthracene	330.0 U
208-96-8	Acenaphthylene	330.0 U	191-24-2	Benzo(g,h,i)Perylene	330.0 U
99-09-2	3-Nitroaniline	1600.0 U			

(1) - Cannot be separated from diphenylamine-

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NAMCO LABS, INC.

CASE NO: NY DEC

SH 87 152014

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 9/23/87

Date Analyzed: 10/12/87

Conc/Dil Factor: ----- 1

Percent Moisture: 6

GPC Cleanup: Yes _____ No X

Separatory Funnel Extraction: Yes _____

Continuous Liquid-Liquid Extraction: Yes _____

CAS
Numberug/l or ug/Kg
(Circle One)

319-84-6	Alpha-BHC	8.00 U
319-85-7	Beta-BHC	8.00 U
319-86-8	Delta-BHC	8.00 U
58-89-9	Gamma-BHC (Lindane)	8.00 U
76-44-8	Heptachlor	8.00 U
309-00-2	Aldrin	8.00 U
1024-57-3	Heptachlor Epoxide	8.00 U
959-98-8	Endosulfan I	8.00 U
60-57-1	Dieldrin	16.00 U
72-55-9	4,4'-DDE	16.00 U
72-20-8	Endrin	16.00 U
33213-65-9	Endosulfan II	16.00 U
72-54-8	4,4'-DDD	16.00 U
7421-93-4	Endrin Aldehyde	16.00 U
1031-07-8	Endosulfan Sulfate	16.00 U
50-29-3	4,4'-DDT	16.00 U
53494-70-5	Endrin Ketone	16.00 U
72-43-5	Methoxychlor	80.00 U
57-74-9	Chlordane	80.00 U
8001-35-2	Toxaphene	160.00 U
12674-11-2	Aroclor-1016	80.00 U
11104-28-2	Aroclor-1221	80.00 U
11141-16-5	Aroclor-1232	80.00 U
53469-21-9	Aroclor-1242	80.00 U
12672-29-6	Aroclor-1248	80.00 U
11097-69-1	Aroclor-1254	160.00 U
11096-82-5	Aroclor-1260	160.00 U

Vi = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs

or Ws

30

Vt

20000

Vi

3

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

LABORATORY NAME :NANCO LABS.INC.
CASE NO: NY DEC

SAMPLE NUMBER

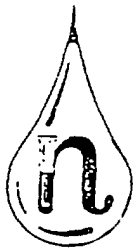
SH-87-152014A-01

Tentatively Identified Compounds.

CAS Number	Compound Name-	Fraction	RT or Scan Number	Estimated Concentration	
				(ug/l or	ug/kg)
1 110543	HEXANE	VOA	240	6.2	JB
2					
3 123422	2-PENTANONE, 4-HYDROXYL-4-METHYL	BNA	105	3,200.0	J
4 -----	UNKNOWN	BNA	390	290.0	J
5 -----	UNKNOWN	BNA	397	260.0	J
6 1120214	UNDECANE	BNA	429	770.0	J
7 -----	UNKNOWN	BNA	447	140.0	J
8 -----	UNKNOWN	BNA	457	140.0	J
9 -----	UNKNOWN	BNA	503	150.0	J
10 -----	UNKNOWN	BNA	515	220.0	J
11 -----	UNKNOWN	BNA	530	180.0	J
12 -----	UNKNOWN	BNA	567	170.0	J
13 -----	UNKNOWN	BNA	590	130.0	J
14 -----	UNKNOWN	BNA	598	220.0	J
15 3637012	ETHANONE, 1-(3-4-DIMETHYLPHENYL)	BNA	604	480.0	J
16 -----	UNKNOWN	BNA	614	130.0	J
17 -----	UNKNOWN	BNA	618	200.0	J
18 -----	UNKNOWN	BNA	641	280.0	J
19 -----	UNKNOWN	BNA	1120	140.0	J
20 -----	UNKNOWN	BNA	1670	770.0	J
21 -----	UNKNOWN	BNA	1719	920.0	J
22 -----	UNKNOWN	BNA	1736	760.0	J
23					
24					
25					
26					

FORM I, PART B

SYL00114948



RECEIVED

OCT 22 1987

TECHNICAL SERVICES & RESEARCH
DIVISION OF WATER

Methylene Chloride - 100% also found
acetone - 99% in analysis
1,1,1-Trichloroethane - 2% estimated
Benzene - 1.4%
Total organics - 41
2-Methylisobutylene - 3.5 - estimated
Low percent PCB

SAMPLE DATA

SH-87-152014A-02 (Oakville drums, etc)

Tentative - high concentrations (from #10)

SYL00114949

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NL

Laboratory Name: NAWCO LABORATORY INC.

Lab File ID No: 82647

Sample Matrix: SOIL

Data Release Authorized By:

Case No: NY DEC

QC Report No: N/A

Contract No: N/A

Date Sample Received: 09/17/87

SH-87-152014

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
 Date Extracted/Prepared: 09/26/87
 Date Analyzed: 09/26/87
 Conc/Dil Factor: 10 pH: 5.5
 Percent Moisture: 18

CAS Number	ug/l or ug/Kg (Circle One)	CAS Number	ug/l or ug/l (Circle One)
74-87-3 Chloromethane	10000.0 U	79-34-5 1,1,2,2-Tetrachloroethane	5000.0 U
74-83-9 Bromomethane	10000.0 U	78-87-5 1,2-Dichloropropane	5000.0 U
75-01-4 Vinyl Chloride	10000.0 U	10061-02-6 Trans-1,3-Dichloropropene	5000.0 U
75-00-3 Chloroethane	10000.0 U	79-01-6 Trichloroethene	5000.0 U
75-09-2 Methylene Chloride	100000.0 B	124-48-1 Dibromochloromethane	5000.0 U
67-64-1 Acetone	99000.0 B	79-00-5 1,1,2-Trichloroethane	5000.0 U
75-15-0 Carbon Disulfide	5000.0 U	71-43-2 Benzene	1400.0 J
75-35-4 1,1-Dichloroethene	5000.0 U	10061-01-5 cis-1,3-Dichloropropene	5000.0 U
75-34-3 1,1-Dichloroethane	5000.0 U	110-75-8 2-Chloroethylvinylether	10000.0 U
156-60-5 Trans-1,2-Dichloroethene	5000.0 U	75-25-2 Bromoform	5000.0 U
67-66-3 Chloroform	5000.0 U	591-78-6 2-Hexanone	10000.0 U
107-06-2 1,2-Dichloroethane	5000.0 U	108-10-1 4-Methyl-2-Pentanone	10000.0 U
78-93-3 2-Butanone	10000.0 U	127-18-4 Tetrachloroethene	5000.0 U
71-55-6 1,1,1-Trichloroethane	2000.0 J	108-88-3 Toluene	5000.0 U
56-23-5 Carbon Tetrachloride	5000.0 U	108-90-7 Chlorobenzene	5000.0 U
108-05-4 Vinyl Acetate	10000.0 U	100-41-4 Ethylbenzene	5000.0 U
75-27-4 Bromodichloromethane	5000.0 U	100-42-5 Styrene	5000.0 U
		Total Xylenes	41000.0

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.
 Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE

If the result is a value greater than or equal to the detection limit, report the value.

U

Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J

Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J).

C

This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS.

B

This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

OTHER

Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

ORGANIC ANALYSIS DATA SHEET

(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.

CASE NO: N.Y. D.E.C.

SAMPLE NO.

SH-87-152014A

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 09/27/87

Date Analyzed: 10/15/87

Conc/Dil Factor: ----->

1

Percent Moisture: 18

GPC Cleanup: Yes No XXX

Separatory Funnel Extractions: Yes

Continuous Liquid - Liquid Extractions: Yes

CAS Number		ug/l or <u>ug/kg</u> (Circle One)	CAS Number		ug/l or <u>ug/kg</u> (Circle One)
108-95-2	Phenol	19800.0 U	83-32-9	Acenaphthene	19800.0 U
111-44-4	bis(2-Chloroethyl)Ether	19800.0 U	51-28-5	2,4-Dinitrophenol	96000.0 U
95-57-8	2-Chlorophenol	19800.0 U	100-02-7	4-Nitrophenol	96000.0 U
541-73-1	1,3-Dichlorobenzene	19800.0 U	132-64-9	Dibenzofuran	19800.0 U
106-46-7	1,4-Dichlorobenzene	19800.0 U	121-14-2	2,4-Dinitrotoluene	19800.0 U
100-51-6	Benzyl Alcohol	19800.0 U	606-20-2	2,6-Dinitrotoluene	19800.0 U
95-50-1	1,2-Dichlorobenzene	19800.0 U	84-66-2	Diethylphthalate	19800.0 U
95-48-7	2-Methylphenol	19800.0 U	7005-72-3	4-Chlorophenyl-phenylether	19800.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	19800.0 U	86-73-7	Fluorene	19800.0 U
106-44-5	4-Methylphenol	19800.0 U	100-01-6	4-Nitroaniline	96000.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	19800.0 U	534-52-1	4,6-Dinitro-2-Methylphenol	96000.0 U
67-72-1	Hexachloroethane	19800.0 U	86-30-6	N-Nitrosodiphenylamine (1)	19800.0 U
98-95-3	Nitrobenzene	19800.0 U	101-55-3	4-Bromophenyl-phenylether	19800.0 U
78-59-1	Isophorone	19800.0 U	118-74-1	Hexachlorobenzene	19800.0 U
88-75-5	2-Nitrophenol	19800.0 U	87-86-5	Pentachlorophenol	96000.0 U
105-67-9	2,4-Dimethylphenol	19800.0 U	85-01-8	Phenanthrene	19800.0 U
65-85-0	Benzoic Acid	96000.0 U	120-12-7	Anthracene	19800.0 U
111-91-1	bis(2-Chloroethoxy)Methane	19800.0 U	84-74-2	Di-n-Butylphthalate	19800.0 U
120-83-2	2,4-Dichlorophenol	19800.0 U	206-44-0	Fluoranthene	19800.0 U
120-82-1	1,2,4-Trichlorobenzene	19800.0 U	129-00-0	Pyrene	19800.0 U
91-20-3	Naphthalene	19800.0 U	85-68-7	Butylbenzylphthalate	19800.0 U
106-47-8	4-Chloroaniline	19800.0 U	91-94-1	3,3'-Dichlorobenzidine	39600.0 U
87-68-3	Hexachlorobutadiene	19800.0 U	56-55-3	Benzo(a)Anthracene	19800.0 U
59-50-7	4-Chloro-3-Methylphenol	19800.0 U	117-81-7	bis(2-Ethylhexyl)Phthalate	19800.0 U
91-57-6	<u>2-Methylnaphthalene</u>	<u>3600.0 U</u>	218-01-9	Chrysene	19800.0 U
77-47-4	Hexachlorocyclopentadiene	19800.0 U	117-84-0	Di-n-Octyl Phthalate	19800.0 U
88-06-2	2,4,6-Trichlorophenol	19800.0 U	205-99-2	Benzo(b)Fluoranthene	19800.0 U
95-95-4	2,4,5-Trichlorophenol	96000.0 U	207-08-9	Benzo(k)Fluoranthene	19800.0 U
91-58-7	2-Chloronaphthalene	19800.0 U	50-32-8	Benzo(a)Pyrene	19800.0 U
88-74-4	2-Nitroaniline	96000.0 U	193-39-5	Indeno(1,2,3-cd)Pyrene	19800.0 U
131-11-3	Dimethyl Phthalate	19800.0 U	53-70-3	Dibenz(a,h)Anthracene	19800.0 U
208-96-8	Acenaphthylene	19800.0 U	191-24-2	Benzo(g,h,i)Perylene	19800.0 U
99-09-2	3-Nitroaniline	96000.0 U			

(1) - Cannot be separated from diphenylamine

SYL00114951

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

LABORATORY NAME: HANCO LABS, INC.
CASE NO: NY DEC

SAMPLE NUMBER

SH S87 1520

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 9/26/87

Date Analyzed: 10/12/87

Conc/Dil Factor: -----> 1

Percent Moisture: 2

GPC Cleanup: Yes ___ No X

Separatory Funnel Extraction: Yes ___

Continuous Liquid-Liquid Extraction: Yes ___

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)
319-84-6	Alpha-BHC	120.00 U
319-85-7	Beta-BHC	120.00 U
319-86-8	Delta-BHC	120.00 U
58-89-9	Gamma-BHC (Lindane)	120.00 U
76-44-8	Heptachlor	120.00 U
309-00-2	Aldrin	120.00 U
1024-57-3	Heptachlor Epoxide	120.00 U
959-98-8	Endosulfan I	120.00 U
60-57-1	Dieldrin	220.22 <u>440.44</u>
72-55-9	4,4'-DDE	240.00 <u>480.00</u>
72-20-8	Endrin	240.00 <u>480.00</u>
33213-65-9	Endosulfan II	240.00 <u>480.00</u>
72-54-8	4,4'-DDD	240.00 U
7421-93-4	Endrin Aldehyde	240.00 U
1031-07-8	Endosulfan Sulfate	240.00 U
50-29-3	4,4'-DDT	240.00 U
53494-70-5	Endrin Ketone	240.00 U
72-43-5	Methoxychlor	1200.00 U
57-74-9	Chlordane	1200.00 U
8001-35-2	Toxaphene	2400.00 U
12674-11-2	Aroclor-1016	1200.00 U
11104-28-2	Aroclor-1221	1200.00 U
11141-16-5	Aroclor-1232	1200.00 U
53469-21-9	Aroclor-1242	1200.00 U
12672-29-6	Aroclor-1248	1200.00 U
11097-69-1	Aroclor-1254	2400.00 U
11096-82-5	Aroclor-1260	2400.00 U

V_i = Volume of extract injected (ul)V_s = Volume of water extracted (ml)W_s = Weight of sample extracted (g)V_t = Volume of total extract (ul)V_s _____or W_s _____V_t _____V_i _____

FORM I

SYL00114952

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

LABORATORY NAME :NANCO LABS.INC.
CASE NO: NY DEC

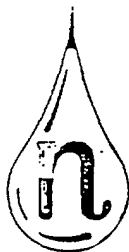
SAMPLE NUMBER

SH-87-152014A-02

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration	
				(ug/l or	ug/kg)
1 -----	UNKNOWN	VOA	48	4.9	J
2 -----	UNKNOWN ALKANE	VOA	345	28.0	J
3 589537	HEPTANE,4-METHYL	VOA	355	29.0	J
4 589811	HEPTANE,3-METHYL	VOA	359	29.0	J
5 -----	UNKNOWN ALKANE	VOA	367	30.0	J
6 -----	UNKNOWN ALKANE	VOA	392	32.0	J
7 2216333	OCTANE,3-METHYL	VOA	409	33.0	J
8 -----	UNKNOWN ALKANE	VOA	464	37.0	J
9 2216333	OCTANE,3-METHYL	VOA	475	38.0	J
10 -----	UNKNOWN ALKANE	VOA	492	39.0	J
11 -----					
12 -----	UNKNOWN ALKENE	BNA	293	8800.0	J
13 -----	UNKNOWN ALKANE	BNA	418	6900.0	J
14 -----	UNKNOWN ALKANE	BNA	520	8600.0	J
15 -----	UNKNOWN ALKANE	BNA	614	9600.0	J
16 -----	UNKNOWN ALKANE	BNA	681	6700.0	J
17 -----	UNKNOWN ALKANE	BNA	701	20000.0	J
18 -----	UNKNOWN ALKENE	BNA	719	6900.0	J
19 -----	UNKNOWN ALKANE	BNA	752	8900.0	J
20 -----	UNKNOWN ALKANE	BNA	782	23000.0	J
21 -----	UNKNOWN ALKANE	BNA	860	30000.0	J
22 -----	UNKNOWN	BNA	902	8300.0	J
23 -----	UNKNOWN ALKANE	BNA	933	45000.0	J
24 -----	UNKNOWN	BNA	824	10000.0	J
25 -----	UNKNOWN	BNA	963	11000.0	J
26 -----	UNKNOWN	BNA	977	9400.0	J
27 -----	UNKNOWN ALKANE	BNA	1002	40000.0	J
28 -----	UNKNOWN ALKANE	BNA	1009	24000.0	J
29 -----	UNKNOWN ALKANE	BNA	1068	29000.0	J
30 -----	UNKNOWN ALKANE	BNA	1132	20000.0	J
31 -----	UNKNOWN ALKANE	BNA	1192	12000.0	J

SYL00114953



*Low concentration of ...
volatiles, ...*

RECEIVED

OCT 22 1987

TECHNICAL SERVICES & RESEARCH
DIVISION OF WATER

SAMPLE DATA

34-87-152099-01 (Sub. Water ...)

Analysis:

2-point

Decane

Other

— 15 ppm

3.3 ...

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER

Laboratory Name: NANO LABORATORY INC.

Lab. File ID No: A2574

Sample Matrix: SOIL

Data Release Authorized By: 

Case No: NY DEC

QC Report No: N/A

Contract No: N/A

Date Sample Received: 09/17/87

SH-87-152099-0

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
 Date Extracted/Prepared: 09/21/87
 Date Analyzed: 09/21/87
 Conc/Dil Factor: 1 pH: 5.3
 Percent Moisture: 08

CAS Number		ug/l or ug/Kg (Circle One)	CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	10.0 U	79-34-5	1,1,2,2-Tetrachloroethane	5.0 U
74-83-9	Bromomethane	10.0 U	78-87-5	1,2-Dichloropropane	5.0 U
75-01-4	Vinyl Chloride	10.0 U	10061-02-6	Trans-1,3-Dichloropropene	5.0 U
75-00-3	Chloroethane	10.0 U	79-01-6	Trichloroethene	5.0 U
75-09-2	Methylene Chloride	26.0 B	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	39.0 B	79-00-5	1,1,2-Trichloroethane	5.0 U
75-15-0	Carbon Disulfide	5.0 U	71-43-2	Benzene	5.0 U
75-35-4	1,1-Dichloroethene	5.0 U	10061-01-5	cis-1,3-Dichloropropene	5.0 U
75-34-3	1,1-Dichloroethane	5.0 U	110-75-8	2-Chloroethylvinylether	10.0 U
156-60-5	Trans-1,2-Dichloroethene	5.0 U	75-25-2	Bromoform	5.0 U
67-66-3	Chloroform	5.0 U	591-78-6	2-Hexanone	10.0 U
107-06-2	1,2-Dichloroethane	5.0 U	108-10-1	4-Methyl-2-Pentanone	10.0 U
78-93-3	2-Butanone	10.0 U	127-18-4	Tetrachloroethene	5.0 U
71-55-6	1,1,1-Trichloroethane	5.0 U	108-88-3	Toluene	5.0 U
56-23-5	Carbon Tetrachloride	5.0 U	108-90-7	Chlorobenzene	5.0 U
108-05-4	Vinyl Acetate	10.0 U	100-41-4	Ethylbenzene	5.0 U
75-27-4	Bromodichloromethane	5.0 U	100-42-5	Styrene	5.0 U
				Total Xylenes	5.0 U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.

Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE	C:
If the result is a value greater than or equal to the detection limit, report the value.	This flag applies to pesticide parameters where the identification has been confirmed by GC/MS Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS
U	B
Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.	This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
J	OTHER
Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J).	Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

SYL00114955

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.Y. D.E.C.

SAMPLE NO.
SH-87-1520

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 09/23/87
Date Analyzed: 10/10/87
Conc/Dil Factor: ----- 1
Percent Moisture: 8

GPC Cleanup: Yes No XXX
Separatory Funnel Extraction: Yes
Continuous Liquid - Liquid Extraction: Yes

CAS Number		ug/l or ug/kg (Circle One)	CAS Number		ug/l or ug/kg (Circle One)
108-95-2	Phenol	330.0 U	83-32-9	Acenaphthene	330.0 U
111-44-4	bis(-2-Chloroethyl)Ether	330.0 U	51-28-5	2,4-Dinitrophenol	1600.0 U
95-57-8	2-Chlorophenol	330.0 U	100-02-7	4-Nitrophenol	1600.0 U
541-73-1	1,3-Dichlorobenzene	330.0 U	132-64-9	Dibenzofuran	330.0 U
106-46-7	1,4-Dichlorobenzene	330.0 U	121-14-2	2,4-Dinitrotoluene	330.0 U
100-51-6	Benzyl Alcohol	330.0 U	606-20-2	2,6-Dinitrotoluene	330.0 U
95-50-1	1,2-Dichlorobenzene	330.0 U	84-66-2	Diethylphthalate	330.0 U
95-48-7	2-Methylphenol	330.0 U	7005-72-3	4-Chlorophenyl-phenylether	330.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	330.0 U	86-73-7	Fluorene	330.0 U
106-44-5	4-Methylphenol	330.0 U	100-01-6	4-Nitroaniline	1600.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	330.0 U	534-52-1	4,6-Dinitro-2-Methylphenol	1600.0 U
67-72-1	Hexachloroethane	330.0 U	86-30-6	N-Nitrosodiphenylamine (1)	330.0 U
98-95-3	Nitrobenzene	330.0 U	101-55-3	4-Bromophenyl-phenylether	330.0 U
78-59-1	Isophorone	330.0 U	118-74-1	Hexachlorobenzene	330.0 U
88-75-5	2-Nitrophenol	330.0 U	87-86-5	Pentachlorophenol	1600.0 U
105-67-9	2,4-Dimethylphenol	330.0 U	85-01-8	Phenanthrene	330.0 U
65-85-0	Benzoic Acid	1600.0 U	120-12-7	Anthracene	330.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	330.0 U	84-74-2	Di-n-Butylphthalate	97.0 U
120-83-2	2,4-Dichlorophenol	330.0 U	206-44-0	Fluoranthene	330.0 U
120-82-1	1,2,4-Trichlorobenzene	330.0 U	129-00-0	Pyrene	330.0 U
91-20-3	Naphthalene	220.0 U	85-68-7	Butylbenzylphthalate	330.0 U
106-47-8	4-Chloroaniline	330.0 U	91-94-1	3,3'-Dichlorobenzidine	660.0 U
87-68-3	Hexachlorobutadiene	330.0 U	56-55-3	Benzo(a)Anthracene	330.0 U
59-50-7	4-Chloro-3-Methylphenol	330.0 U	117-81-7	bis(2-Ethylhexyl)Phthalate	330.0 U
91-57-6	2-Methylnaphthalene	330.0 U	218-01-9	Chrysene	330.0 U
77-47-4	Hexachlorocyclopentadiene	330.0 U	117-84-0	Di-n-Octyl Phthalate	330.0 U
88-06-2	2,4,6-Trichlorophenol	330.0 U	205-99-2	Benzo(b)Fluoranthene	330.0 U
95-95-4	2,4,5-Trichlorophenol	1600.0 U	207-08-9	Benzo(k)Fluoranthene	330.0 U
91-58-7	2-Chloronaphthalene	330.0 U	50-32-8	Benzo(a)Pyrene	330.0 U
88-74-4	2-Nitroaniline	1600.0 U	193-39-5	Indeno(1,2,3-cd)Pyrene	330.0 U
131-11-3	Dimethyl Phthalate	330.0 U	53-70-3	Dibenz(a,h)Anthracene	330.0 U
208-96-8	Acenaphthylene	330.0 U	191-24-2	Benzo(g,h,i)Perylene	330.0 U
99-09-2	3-Nitroaniline	1600.0 U			

(1) - Cannot be separated from diphenylamine

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NAMCO LABS, INC.

CASE NO: NY DEC

SH 87 15209

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 9/23/87

Date Analyzed: 10/12/87

Conc/Dil Factor: -----> 1

Percent Moisture: 8

GPC Cleanup: Yes ___ No X

Separatory Funnel Extraction: Yes ___

Continuous Liquid-Liquid Extraction: Yes ___

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	8.00 U
319-85-7	Beta-BHC	10
319-86-8	Delta-BHC	8.00 U
58-89-9	Gamma-BHC (Lindane)	8.00 U
76-44-8	Heptachlor	8.00 U
309-00-2	Aldrin	8.00 U
1024-57-3	Heptachlor Epoxide	8.00 U
959-98-8	Endosulfan I	8.00 U
60-57-1	Dieldrin	3.0 J
72-55-9	4,4'-DDE	16.00 U
72-20-8	Endrin	1.2 J
33213-65-9	Endosulfan II	0.91 J
72-54-8	4,4'-DDD	1.3 J
7421-93-4	Endrin Aldehyde	16.00 U
1031-07-8	Endosulfan Sulfate	16.00 U
50-29-3	4,4'-DDT	16.00 U
53494-70-5	Endrin Ketone	16.00 U
72-43-5	Methoxychlor	80.00 U
57-74-9	Chlordane	80.00 U
8001-35-2	Toxaphene	160.00 U
12674-11-2	Aroclor-1016	80.00 U
11104-28-2	Aroclor-1221	80.00 U
11141-16-5	Aroclor-1232	80.00 U
53469-21-9	Aroclor-1242	80.00 U
12672-29-6	Aroclor-1248	80.00 U
11097-69-1	Aroclor-1254	160.00 U
11096-82-5	Aroclor-1260	160.00 U

Vi = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs

or Ws

30

Vt

2000%

Vi

3

FORM I

SYL00114957

ORGANICS ANALYSIS DATA SHEET

(PAGE 4)

LABORATORY NAME :NANCO LABS.INC.

CASE NO: NY DEC

SAMPLE NUMBER

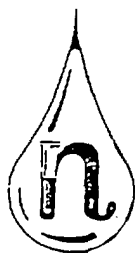
SH-87-152099-01

Tentatively Identified Compounds-

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1	NONE FOUND	VOA		
2				
3				
4 123422	2-PENTANONE,4-HYDROXY-4-METHYL	BNA	112	18000.0 J
5 -----	UNKNOWN ALKANE	BNA	138	1100.0 J
6 -----	UNKNOWN ALKANE	BNA	147	1000.0 J
7 -----	UNKNOWN ALKANE	BNA	279	1100.0 J
8 124185	DECANE	BNA	315	3300.0 J
9 -----	UNKNOWN ALKANE	BNA	337	1100.0 J
10 -----	UNKNOWN ALKANE	BNA	341	1300.0 J
11 -----	UNKNOWN ALKANE	BNA	349	1200.0 J
12 -----	UNKNOWN ALKANE	BNA	354	850.0 J
13 1074437	BENZENE, 1-METHYL-3-PROPYL	BNA	371	1100.0 J
14 13151354	DECANE, 5-METHYL	BNA	380	1100.0 J
15 -----	UNKNOWN	BNA	384	980.0 J
16 -----	UNKNOWN ALKANE	BNA	388	1500.0 J
17 -----	UNKNOWN ALKANE	BNA	395	1100.0 J
18 -----	UNKNOWN	BNA	405	1100.0 J
19 1120214	UNDECANE	BNA	428	620.0 J
20 -----	UNKNOWN	BNA	445	830.0 J
21 -----	UNKNOWN ALKANE	BNA	455	650.0 J
22 112403	DODECANE	BNA	528	1300.0 J
23				
24				
25				
26				

FORM 1, PART B

SYL00114958



RECEIVED

OCT 22 1981

TECHNICAL SERVICES & RESEARCH
DIVISION OF WATER

Low concentr. of white
of pest/PCB

SAMPLE DATA

SH-87-152099-03

Tentative - 2-pentanone, 4,4 - 23 ppm
Carbonyl - 100 - 72 "

SYL00114959

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER

Laboratory Name: NAWCO LABORATORY INC.

Case No: NY DEC

SH-87-1520

Lab File ID No: A2540

QC Report No: N/A

Sample Matrix: SOIL

Contract No: N/A

Data Release Authorized By: *Schal*

Date Sample Received: 09/17/87

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
 Date Extracted/Prepared: 09/19/87
 Date Analyzed: 09/19/87
 Conc/Dil Factor: 1 pH: 4.6
 Percent Moisture: 14

CAS Number	ug/l or ug/Kg (Circle One)	CAS Number	ug/l or ug/Kg (Circle One)
74-87-3 Chloromethane	10.0 U	79-34-5 1,1,2,2-Tetrachloroethane	5.0 U
74-83-9 Bromomethane	10.0 U	78-87-5 1,2-Dichloropropane	5.0 U
75-01-4 Vinyl Chloride	10.0 U	10061-02-6 Trans-1,3-Dichloropropene	5.0 U
75-00-3 Chloroethane	10.0 U	79-01-6 Trichloroethene	5.0 U
75-09-2 Methylene Chloride	15.0 B	124-48-1 Dibromochloromethane	5.0 U
67-64-1 Acetone	37.0 B	79-00-5 1,1,2-Trichloroethane	5.0 U
75-15-0 Carbon Disulfide	5.0 U	71-43-2 Benzene	2.4 JB
75-35-4 1,1-Dichloroethene	5.0 U	10061-01-5 cis-1,3-Dichloropropene	5.0 U
75-34-3 1,1-Dichloroethane	5.0 U	110-75-8 2-Chloroethylvinylether	10.0 U
156-60-5 Trans-1,2-Dichloroethene	5.0 U	75-25-2 Bromoform	5.0 U
67-66-3 Chloroform	5.0 U	591-78-6 2-Hexanone	10.0 U
107-06-2 1,2-Dichloroethane	5.0 U	108-10-1 4-Methyl-2-Pentanone	10.0 U
78-93-3 2-Butanone	10.0 U	127-18-4 Tetrachloroethene	5.0 U
71-55-6 1,1,1-Trichloroethane	5.0 U	108-88-3 Toluene	5.0 U
56-23-5 Carbon Tetrachloride	5.0 U	108-90-7 Chlorobenzene	5.0 U
108-05-4 Vinyl Acetate	10.0 U	100-41-4 Ethylbenzene	5.0 U
75-27-4 Bromodichloromethane	5.0 U	100-42-5 Styrene	5.0 U
		Total Xylenes	5.0 U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.
 Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE

If the result is a value greater than or equal to the detection limit, report the value.

U

Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J

Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J).

C

This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS.

B

This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

OTHER

Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: MANCO LABS. INC.
CASE NO: N.Y. D.E.C.

SAMPLE NO.
SH-87-15209

SEMIVOLATILE COMPOUNDS

Concentrations: Low Medium (Circle One)
Date Extracted/Prepared: 09/23/87
Date Analyzed: 10/10/87
Conc/Dil Factor: ----- 1
Percent Moisture: 14

GPC Cleanup: Yes ___ No XXX
Separatory Funnel Extractions: Yes ___
Continuous Liquid - Liquid Extraction: Y.

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)	CAS Number		ug/l or <u>ug/Kg</u> (Circle One)
108-95-2	Phenol	330.0 U	83-32-9	Acenaphthene	330.0 U
111-44-4	bis(-2-Chloroethyl)Ether	330.0 U	51-28-5	2,4-Dinitrophenol	1600.0 U
95-57-8	2-Chlorophenol	330.0 U	100-02-7	4-Nitrophenol	1600.0 U
541-73-1	1,3-Dichlorobenzene	330.0 U	132-64-9	Dibenzofuran	330.0 U
106-46-7	1,4-Dichlorobenzene	330.0 U	121-14-2	2,4-Dinitrotoluene	330.0 U
100-51-6	Benzyl Alcohol	330.0 U	606-20-2	2,6-Dinitrotoluene	330.0 U
95-50-1	1,2-Dichlorobenzene	330.0 U	84-66-2	Diethylphthalate	330.0 U
95-48-7	2-Methylphenol	330.0 U	7005-72-3	4-Chlorophenyl-phenylether	330.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	330.0 U	86-73-7	Fluorene	330.0 U
106-44-5	4-Methylphenol	330.0 U	100-01-6	4-Nitroaniline	1600.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	330.0 U	534-52-1	4,6-Dinitro-2-Methylphenol	1600.0 U
67-72-1	Hexachloroethane	330.0 U	86-30-6	N-Nitrosodiphenylamine (1)	330.0 U
98-95-3	Nitrobenzene	330.0 U	101-55-3	4-Bromophenyl-phenylether	330.0 U
78-59-1	Isophorone	330.0 U	118-74-1	Hexachlorobenzene	330.0 U
88-75-5	2-Nitrophenol	330.0 U	87-86-5	Pentachlorophenol	1600.0 U
105-67-9	2,4-Dimethylphenol	330.0 U	85-01-8	Phenanthrene	330.0 U
65-85-0	Benzoic Acid	1600.0 U	120-12-7	Anthracene	330.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	330.0 U	84-74-2	Di-n-Butylphthalate	330.0 U
120-83-2	2,4-Dichlorophenol	330.0 U	206-44-0	Fluoranthene	330.0 U
120-82-1	1,2,4-Trichlorobenzene	330.0 U	129-00-0	Pyrene	330.0 U
91-20-3	Naphthalene	330.0 U	85-68-7	Butylbenzylphthalate	330.0 U
106-47-8	4-Chloroaniline	330.0 U	91-94-1	3,3'-Dichlorobenzidine	660.0 U
87-68-3	Hexachlorobutadiene	330.0 U	56-55-3	Benzo(a)Anthracene	330.0 U
59-50-7	4-Chloro-3-Methylphenol	330.0 U	117-81-7	bis(2-Ethylhexyl)Phthalate	330.0 U
91-57-6	2-Methylnaphthalene	330.0 U	218-01-9	Chrysene	330.0 U
77-47-4	Hexachlorocyclopentadiene	330.0 U	117-84-0	Di-n-Octyl Phthalate	330.0 U
88-06-2	2,4,6-Trichlorophenol	330.0 U	205-99-2	Benzo(b)Fluoranthene	330.0 U
95-95-4	2,4,5-Trichlorophenol	1600.0 U	207-08-9	Benzo(k)Fluoranthene	330.0 U
91-58-7	2-Chloronaphthalene	330.0 U	50-32-8	Benzo(a)Pyrene	330.0 U
88-74-4	2-Nitroaniline	1600.0 U	193-39-5	Indeno(1,2,3-cd)Pyrene	330.0 U
131-11-3	Dimethyl Phthalate	330.0 U	53-70-3	Dibenz(a,h)Anthracene	330.0 U
208-96-8	Acenaphthylene	330.0 U	191-24-2	Benzo(g,h,i)Perylene	330.0 U
99-09-2	3-Nitroaniline	1600.0 U			

(1) - Cannot be separated from diphenylamine-

SYL00114961

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

LABORATORY NAME: NAMCO LABS, INC.
CASE NO: NY DEC

SAMPLE NUMBER

SH 87 15

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 9/23/87
Date Analyzed: 10/12/87
Conc/Dil Factor: -----> 1
Percent Moisture: 14GPC Cleanup: Yes _____ No X
Separatory Funnel Extractions: Yes _____
Continuous Liquid-Liquid Extractions: Yes _____

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)
319-84-6	Alpha-BHC	8.00 U
319-85-7	Beta-BHC	3.4 J
319-86-8	Delta-BHC	8.00 U
58-89-9	Gamma-BHC (Lindane)	8.00 U
76-44-8	Heptachlor	8.00 U
309-00-2	Aldrin	8.00 U
1024-57-3	Heptachlor Epoxide	8.00 U
959-98-8	Endosulfan I	8.00 U
60-57-1	Dieldrin	16.00 U
72-55-9	4,4'-DDE	16.00 U
72-20-8	Endrin	16.00 U
33213-65-9	Endosulfan II	16.00 U
72-54-8	4,4'-DDD	16.00 U
7421-93-4	Endrin Aldehyde	16.00 U
1031-07-8	Endosulfan Sulfate	16.00 U
50-29-3	4,4'-DDT	16.00 U
53494-70-5	Endrin Ketone	16.00 U
72-43-5	Methoxychlor	80.00 U
57-74-9	Chlordane	80.00 U
8001-35-2	Toxaphene	160.00 U
12674-11-2	Aroclor-1016	80.00 U
11104-28-2	Aroclor-1221	80.00 U
11141-16-5	Aroclor-1232	80.00 U
53469-21-9	Aroclor-1242	80.00 U
12672-29-6	Aroclor-1248	80.00 U
11097-69-1	Aroclor-1254	160.00 U
11096-82-5	Aroclor-1260	160.00 U

Vl = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs _____ or Ws 30 Vt 20000 Vl 3

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

LABORATORY NAME :NANCO LABS.INC.
CASE NO: NY DEC

SAMPLE NUMBER

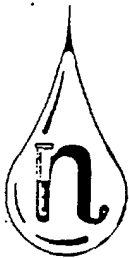
SH-87-152099-03

Tentatively Identified Compounds.

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration	
				(ug/l or	(ug/Kg)
1 76131	ETHANE,1,1,2-TRICHLORO-1,2,2-TRIFLUORO	VOA	155	7.6 JB	
2 110543	HEXANE	VOA	246	1.5 JB	
3					
4					
5					
6					
7 -----	UNKNOWN	BNA	68	770.0 J	
8 123422	2-PENTANONE,4-HYDROXY-4-METHYL	BNA	112	23000.0 J	
9 -----	UNKNOWN ALKANE	BNA	138	920.0 J	
10 2216333	OCTANE,3-METHYL	BNA	147	1200.0 J	
11 -----	UNKNOWN CARBOXYLIC ACID	BNA	1370	7900.0 JB	
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

FORM I, PART B

SYL00114963



Low concentr. of volatiles
d post / PCB

RECEIVED

OCT 22 1987

TECHNICAL SERVICES & RESEARCH
DIVISION OF WATER

SAMPLE DATA

Tentative

2-pentanone, 4,4 - 19 ppm
carboxylic acid - 5.1 "
d other

SH-87-152080-01

Montville
Soil

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

SAMPLE NUMBE

Laboratory Name: NAWCO LABORATORY INC.

Case No: NY DEC

SH-87-15208C

Lab File ID No: 82587

QC Report No: N/A

Sample Matrix: SOIL

Contract No: N/A

Data Release Authorized By: *[Signature]*

Date Sample Received: 09/17/87

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 09/19/87

Date Analyzed: 09/19/87

Conc/Dil Factor: 1

pH: 6.0

Percent Moisture: 20

CAS Number		ug/l or ug/Kg (Circle One)	CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	10.0 U	79-34-5	1,1,2,2-Tetrachloroethane	5.0 U
74-83-9	Bromomethane	10.0 U	78-87-5	1,2-Dichloropropane	5.0 U
75-01-4	Vinyl Chloride	10.0 U	10061-02-6	Trans-1,3-Dichloropropene	5.0 U
75-00-3	Chloroethane	10.0 U	79-01-6	Trichloroethene	5.0 U
75-09-2	Methylene Chloride	13.0 B	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	23.0 B	79-00-5	1,1,2-Trichloroethane	5.0 U
75-15-0	Carbon Disulfide	5.0 U	71-43-2	Benzene	2.0 J
75-35-4	1,1-Dichloroethene	5.0 U	10061-01-5	cis-1,3-Dichloropropene	5.0 U
75-34-3	1,1-Dichloroethane	5.0 U	110-75-8	2-Chloroethylvinylether	10.0 U
156-60-5	Trans-1,2-Dichloroethene	5.0 U	75-25-2	Bromoform	5.0 U
67-66-3	Chloroform	5.0 U	591-78-6	2-Hexanone	10.0 U
107-06-2	1,2-Dichloroethane	5.0 U	108-10-1	4-Methyl-2-Pentanone	10.0 U
78-93-3	2-Butanone	10.0 U	127-18-4	Tetrachloroethene	5.0 U
71-55-6	1,1,1-Trichloroethane	7.0	108-88-3	Toluene	5.0 U
56-23-5	Carbon Tetrachloride	5.0 U	108-90-7	Chlorobenzene	5.0 U
108-05-4	Vinyl Acetate	10.0 U	100-41-4	Ethylbenzene	5.0 U
75-27-4	Bromodichloromethane	5.0 U	100-42-5	Styrene	5.0 U
				Total Xylenes	5.0 U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.
Additional flags or footnotes explaining results are encouraged. However, the
definition of each flag must be explicit.

VALUE	C
If the result is a value greater than or equal to the detection limit, report the value.	This flag applies to pesticide parameters where the identification has been confirmed by GC/MS Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS
U	B
Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U(e.g. 10U based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.	This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
J	OTHER
Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J).	Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

SYL00114965

ORGANIC ANALYSIS DATA SHEET

(PAGE 2)

LABORATORY NAME: NAWCO LABS. INC.

CASE NO: N.Y. D.E.C.

SAMPLE NO.

SH-87-15201

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 09/23/87

Date Analyzed: 10/09/87

Conc/Dil Factor: ----- 1

Percent Moisture: 20

GPC Cleanup: Yes ___ No XXX

Separatory Funnel Extraction: Yes ___

Continuous Liquid - Liquid Extraction: Yes

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)	CAS Number		ug/l or <u>ug/Kg</u> (Circle One)
108-95-2	Phenol	330.0 U	83-32-9	Acenaphthene	330.0 U
111-44-4	bis(-2-Chloroethyl)Ether	330.0 U	51-28-5	2,4-Dinitrophenol	1600.0 U
95-57-8	2-Chlorophenol	330.0 U	100-02-7	4-Nitrophenol	1600.0 U
541-73-1	1,3-Dichlorobenzene	330.0 U	132-64-9	Dibenzofuran	330.0 U
106-46-7	1,4-Dichlorobenzene	330.0 U	121-14-2	2,4-Dinitrotoluene	330.0 U
100-51-6	Benzyl Alcohol	330.0 U	606-20-2	2,6-Dinitrotoluene	330.0 U
95-50-1	1,2-Dichlorobenzene	330.0 U	84-66-2	Diethylphthalate	330.0 U
95-48-7	2-Methylphenol	330.0 U	7005-72-3	4-Chlorophenyl-phenylether	330.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	330.0 U	86-73-7	Fluorene	330.0 U
106-44-5	4-Methylphenol	330.0 U	100-01-6	4-Nitroaniline	1600.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	330.0 U	534-52-1	4,6-Dinitro-2-Methylphenol	1600.0 U
67-72-1	Hexachloroethane	330.0 U	86-30-6	N-Nitrosodiphenylamine (1)	330.0 U
98-95-3	Nitrobenzene	330.0 U	101-55-3	4-Bromophenyl-phenylether	330.0 U
78-59-1	Isophorone	330.0 U	118-74-1	Hexachlorobenzene	330.0 U
88-75-5	2-Nitrophenol	330.0 U	87-86-5	Pentachlorophenol	1600.0 U
105-67-9	2,4-Dimethylphenol	330.0 U	85-01-8	Phenanthrene	330.0 U
65-85-0	Benzoic Acid	1600.0 U	120-12-7	Anthracene	330.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	330.0 U	84-74-2	Di-n-Butylphthalate	330.0 U
120-83-2	2,4-Dichlorophenol	330.0 U	206-44-0	Fluoranthene	330.0 U
120-82-1	1,2,4-Trichlorobenzene	330.0 U	129-00-0	Pyrene	330.0 U
91-20-3	Naphthalene	330.0 U	85-68-7	Butylbenzylphthalate	330.0 U
106-47-8	4-Chloroaniline	330.0 U	91-94-1	3,3'-Dichlorobenzidine	660.0 U
87-68-3	Hexachlorobutadiene	330.0 U	56-55-3	Benzo(a)Anthracene	330.0 U
59-50-7	4-Chloro-3-Methylphenol	330.0 U	117-81-7	bis(2-Ethylhexyl)Phthalate	330.0 U
91-57-6	2-Methylnaphthalene	330.0 U	218-01-9	Chrysene	330.0 U
77-47-4	Hexachlorocyclopentadiene	330.0 U	117-84-0	Di-n-Octyl Phthalate	330.0 U
88-06-2	2,4,6-Trichlorophenol	330.0 U	205-99-2	Benzo(b)Fluoranthene	330.0 U
95-95-4	2,4,5-Trichlorophenol	1600.0 U	207-08-9	Benzo(k)Fluoranthene	330.0 U
91-58-7	2-Chloronaphthalene	330.0 U	50-32-8	Benzo(a)Pyrene	330.0 U
88-74-4	2-Nitroaniline	1600.0 U	193-39-5	Indeno(1,2,3-cd)Pyrene	330.0 U
131-11-3	Dimethyl Phthalate	330.0 U	53-70-3	Dibenz(a,h)Anthracene	330.0 U
208-96-8	Acenaphthylene	330.0 U	191-24-2	Benzo(g,h,i)Perylene	330.0 U
99-09-2	3-Nitroaniline	1600.0 U			

(1) - Cannot be separated from diphenylamine

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NY DEC

SH 87 15280

PESTICIDE/PCBs

Concentration: Low Medium. (Circle One)

Date Extracted/Prepared: 9/23/87

Date Analyzed: 10/11/87

Conc/Dil Factor: ----- 1

Percent Moisture: 20

GPC Cleanup: Yes ___ No X

Separatory-Funnel Extraction: Yes ___

Continuous Liquid-Liquid Extraction: Yes ___

CAS
Numberug/l or ug/Kg
(Circle One)

319-84-6	Alpha-BHC	8.00 U
319-85-7	Beta-BHC	6.4 J
319-86-8	Delta-BHC	8.00 U
58-89-9	Gamma-BHC (Lindane)	8.00 U
76-44-8	Heptachlor	8.00 U
309-00-2	Aldrin	8.00 U
1024-57-3	Heptachlor Epoxide	8.00 U
959-98-8	Endosulfan I	8.00 U
60-57-1	Dieldrin	16.00 U
72-55-9	4,4'-DDE	16.00 U
72-20-8	Endrin	1.5 J
33213-65-9	Endosulfan II	1.6 J
72-54-8	4,4'-DDD	16.00 U
7421-93-4	Endrin Aldehyde	16.00 U
1031-07-8	Endosulfan Sulfate	17
50-29-3	4,4'-DDT	16.00 U
53494-70-5	Endrin Ketone	16.00 U
72-43-5	Methoxychlor	70 J
57-74-9	Chlordane	80.00 U
8001-35-2	Toxaphene	160.00 U
12674-11-2	Aroclor-1016	80.00 U
11104-28-2	Aroclor-1221	80.00 U
11141-16-5	Aroclor-1232	80.00 U
53469-21-9	Aroclor-1242	80.00 U
12672-29-6	Aroclor-1248	80.00 U
11097-69-1	Aroclor-1254	160.00 U
11096-82-5	Aroclor-1260	160.00 U

Vi = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs _____

or Ws _____

Vt _____

Vi _____

FORM I

SYL00114967

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

LABORATORY NAME :NANCO LABS.INC.
CASE NO: NY DEC

SAMPLE NUMBER

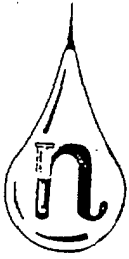
SH-87-152080-01

Tentatively Identified Compounds:

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration	
				(ug/l or ug/kg)	
1	UNKNOWN	VOA	117	8.7 J	
2	UNKNOWN	VOA	257	7.2 J	
3					
4					
5	UNKNOWN	BNA	67	710 J	
6	123422 2-PENTANONE, 4-HYDROXY-4-METHYL...	BNA	110	19000.0 J	
7	UNKNOWN ALKANE	BNA	136	780.0 J	
8	UNKNOWN ALKANE	BNA	147	1000.0 J	
9	UNKNOWN CARBOXYLIC ACID	BNA	1369	5100.0 JB	
10					
11					
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26					

FORM I, PART B

SYL00114968



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OCT 22 1987

low concentration - volatile
pest/PCB

TECHNICAL SERVICES & RESEARCH
DIVISION OF WATER

SAMPLE DATA

SH-87-152088-01 / C. Card / Son

Tentative

Experiments - 15 min
high concentr of volatile compounds

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

SAMPLE NUMBER

Laboratory Name: MANCO LABORATORY INC.

Case No: NY DEC

SH-87-15202.00

Lab File ID No: A2531

QC Report No: N/A

Sample Matrix: SOIL

Contract No: N/A

Data Release Authorized By: *[Signature]*

Date Sample Received: 09/17/87

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 09/19/87
Date Analyzed: 09/19/87
Conc/Dil Factor: 1 pH: 3.0
Percent Moisture: 20

CAS Number		ug/l or ug/kg (Circle One)	CAS Number		ug/l or ug/kg (Circle One)
74-87-3	Chloromethane	10.0 U	79-34-5	1,1,2,2-Tetrachloroethane	5.0 U
74-83-9	Bromomethane	10.0 U	78-87-5	1,2-Dichloropropane	5.0 U
75-01-4	Vinyl Chloride	10.0 U	10061-02-6	Trans-1,3-Dichloropropene	5.0 U
75-00-3	Chloroethane	10.0 U	79-01-6	Trichloroethene	5.0 U
75-09-2	Methylene Chloride	49.0 B	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	44.0 B	79-00-5	1,1,2-Trichloroethane	5.0 U
75-15-0	Carbon Disulfide	5.0 U	71-43-2	Benzene	5.0 U
75-35-4	1,1-Dichloroethene	5.0 U	10061-01-5	cis-1,3-Dichloropropene	5.0 U
75-34-3	1,1-Dichloroethane	5.0 U	110-75-8	2-Chloroethylvinylether	10.0 U
156-60-5	Trans-1,2-Dichloroethene	5.0 U	75-25-2	Bromoform	5.0 U
67-66-3	Chloroform	5.0 U	591-78-6	2-Hexanone	10.0 U
107-06-2	1,2-Dichloroethane	5.0 U	108-10-1	4-Methyl-2-Pentanone	10.0 U
78-93-3	2-Butanone	10.0 U	127-18-4	Tetrachloroethene	5.0 U
71-55-6	1,1,1-Trichloroethane	1.3 J	108-88-3	Toluene	5.0 U
56-23-5	Carbon Tetrachloride	5.0 U	108-90-7	Chlorobenzene	5.0 U
108-05-4	Vinyl Acetate	10.0 U	100-41-4	Ethylbenzene	5.0 U
75-27-4	Bromodichloromethane	5.0 U	100-42-5	Styrene	5.0 U
				Total Xylenes	5.0 U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.
Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE	
If the result is a value greater than or equal to the detection limit, report the value.	
U	Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J).
C	This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS.
B	This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
OTHER	Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NAMCO LABS. INC.
CASE NO: N.Y. D.E.C.

SAMPLE NO.
SH-87-152088-C

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 09/23/87
Date Analyzed: 10/09/87
Conc/Dil Factor: -----> 1
Percent Moisture: 20

GPC Cleanup: Yes ___ No XXX
Separatory Funnel Extraction: Yes ___
Continuous Liquid - Liquid Extraction: Yes

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)	CAS Number		ug/l or <u>ug/Kg</u> (Circle One)
108-95-2	Phenol	330.0 U	83-32-9	Acenaphthene	330.0 U
111-44-4	bis(-2-Chloroethyl)Ether	330.0 U	51-28-5	2,4-Dinitrophenol	1600.0 U
95-57-8	2-Chlorophenol	330.0 U	100-02-7	4-Nitrophenol	1600.0 U
541-73-1	1,3-Dichlorobenzene	330.0 U	132-64-9	Dibenzofuran	330.0 U
106-46-7	1,4-Dichlorobenzene	330.0 U	121-14-2	2,4-Dinitrotoluene	330.0 U
100-51-6	Benzyl Alcohol	330.0 U	606-20-2	2,6-Dinitrotoluene	330.0 U
95-50-1	1,2-Dichlorobenzene	330.0 U	84-66-2	Diethylphthalate	330.0 U
95-48-7	2-Methylphenol	330.0 U	7005-72-3	4-Chlorophenyl-phenylether	330.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	330.0 U	86-73-7	Fluorene	330.0 U
106-44-5	4-Methylphenol	330.0 U	100-01-6	4-Nitroaniline	1600.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	330.0 U	534-52-1	4,6-Dinitro-2-Methylphenol	1600.0 U
67-72-1	Hexachloroethane	330.0 U	86-30-6	N-Nitrosodiphenylamine (1)	330.0 U
98-95-3	Nitrobenzene	330.0 U	101-55-3	4-Bromophenyl-phenylether	330.0 U
78-59-1	Isophorone	330.0 U	118-74-1	Hexachlorobenzene	330.0 U
88-75-5	2-Nitrophenol	330.0 U	87-86-5	Pentachlorophenol	1600.0 U
105-67-9	2,4-Dimethylphenol	330.0 U	85-01-8	Phenanthrene	330.0 U
65-85-0	Benzoic Acid	1600.0 U	120-12-7	Anthracene	330.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	330.0 U	84-74-2	Di-n-Butylphthalate	330.0 U
120-83-2	2,4-Dichlorophenol	330.0 U	206-44-0	Fluoranthene	330.0 U
120-82-1	1,2,4-Trichlorobenzene	330.0 U	129-00-0	Pyrene	330.0 U
91-20-3	Naphthalene	330.0 U	85-68-7	Butyl(benzyl)phthalate	330.0 U
106-47-8	4-Chloroaniline	330.0 U	91-94-1	3,3'-Dichlorobenzidine	660.0 U
87-68-3	Hexachlorobutadiene	330.0 U	56-55-3	Benzo(a)Anthracene	330.0 U
59-50-7	4-Chloro-3-Methylphenol	330.0 U	117-81-7	bis(2-Ethylhexyl)Phthalate	330.0 U
91-57-6	2-Methylnaphthalene	330.0 U	218-01-9	Chrysene	330.0 U
77-47-4	Hexachlorocyclopentadiene	330.0 U	117-84-0	Di-n-Octyl Phthalate	330.0 U
88-06-2	2,4,6-Trichlorophenol	330.0 U	205-99-2	Benzo(b)Fluoranthene	330.0 U
95-95-4	2,4,5-Trichlorophenol	1600.0 U	207-08-9	Benzo(k)Fluoranthene	330.0 U
91-58-7	2-Chloronaphthalene	330.0 U	50-32-8	Benzo(a)Pyrene	330.0 U
88-74-4	2-Nitroaniline	1600.0 U	193-39-5	Indeno(1,2,3-cd)Pyrene	330.0 U
131-11-3	Dimethyl Phthalate	330.0 U	53-70-3	Dibenz(a,h)Anthracene	330.0 U
208-96-8	Acenaphthylene	330.0 U	191-24-2	Benzo(g,h,i)Perylene	330.0 U
99-09-2	3-Nitroaniline	1600.0 U			

(1) - Cannot be separated from diphenylamine

SYL00114971

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NY DEC

SH 87 152

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 9/23/87

Date Analyzed: 10/11/87

Conc/Dil Factor: -----> 1

Percent Moisture: 20

GPC Cleanup: Yes ___ No X

Separatory funnel Extractions: Yes ___

Continuous Liquid-Liquid Extractions: Yes ___

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)
319-84-6	Alpha-BHC	8.00 U
319-85-7	Beta-BHC	6.3 J
319-86-8	Delta-BHC	8.00 U
58-89-9	Gamma-BHC (Lindane)	8.00 U
76-44-8	Heptachlor	8.00 U
309-00-2	Aldrin	8.00 U
1024-57-3	Heptachlor Epoxide	8.00 U
959-98-8	Endosulfan I	8.00 U
60-57-1	Dieldrin	16.00 U
72-55-9	<u>4,4'-DDE</u>	2.4 J
72-20-8	Endrin	16.00 U
33213-65-9	Endosulfan II	5.7 J
72-54-8	<u>4,4'-DDD</u>	8.5 J
7421-93-4	Endrin Aldehyde	16.00 U
1031-07-8	Endosulfan Sulfate	28
50-29-3	4,4'-DDT	16.00 U
53494-70-5	Endrin Ketone	16.00 U
72-43-5	Methoxychlor	46
57-74-9	Chlordane	80.00 U
8001-35-2	Toxaphene	160.00 U
12674-11-2	Aroclor-1016	80.00 U
11104-28-2	Aroclor-1221	80.00 U
11141-16-5	Aroclor-1232	80.00 U
53469-21-9	Aroclor-1242	80.00 U
12672-29-6	Aroclor-1248	80.00 U
11097-69-1	Aroclor-1254	160.00 U
11096-82-5	Aroclor-1260	160.00 U

V_i = Volume of extract injected (ul)V_s = Volume of water extracted (ml)W_s = Weight of sample extracted (g)V_t = Volume of total extract (ul)V_s _____or W_s _____

30

V_t _____

20000

V_i _____

3

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

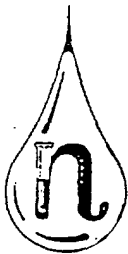
LABORATORY NAME :NANCO LABS.INC.
CASE NO: NY DEC

SAMPLE NUMBER

SK-87-152088-01

Tentatively Identified Compounds

CAS Number	Compound Name -	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1 76131	ETHANE,1,1,2-TRICHLORO-1,2,2-TRIFLUORO-	VOA	150	6.5 JB
2 110543	HEXANE	VOA	240	8.5 JB
3 -----	UNKNOWN	VOA	331	15.0 J
4 -----	UNKNOWN ALKANE	VOA	472	9.5 J
5 -----	ISOMER OF METHYL ETHYL BENZENE	VOA	523	12.0 J
6 -----	UNKNOWN			
7 -----	UNKNOWN	BNA	67	770.0 J
8 123422	2-PENTANONE,4-HYDROXY-4-METHYL	BNA	112	25000.0 J
9 -----	UNKNOWN ALKANE	BNA	137	830.0 J
10 -----	UNKNOWN ALKANE	BNA	148	1100.0 J
11 100527	BENZALDEHYDE	BNA	260	1400.0 J
12 -----	UNKNOWN KETONE	BNA	368	830.0 J
13 -----	UNKNOWN ALKENE	BNA	723	850.0 J
14 -----	UNKNOWN	BNA	881	1400 J
15 -----	UNKNOWN CARBOXYLIC ACID	BNA	1370	5000.0 JB
16 -----	UNKNOWN	BNA	1823	1800.0 J
17 -----	UNKNOWN	BNA	1980	2800.0 J
18				
19				
20				
21				
22				
23				
24				
25				
26				



Low concentr. of volatiles and
pest./PCB

RECEIVED

OCT 22 1987

TECHNICAL SERVICES & RESEARCH
DIVISION OF WATER

SAMPLE DATA

SH-87-152088-02 / C. Carbon

Trinitro - 2-pentam. 87 - 10 ppm
+ Nitro

SYL00114974

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER:

Laboratory Name: NANCY LABORATORY INC.

Case No: NY DEC

SH-87-152088

Lab. File ID No: A2532

QC Report No: N/A

Sample Matrix: SOIL

Contract No: N/A

Data Release Authorized By: *Shah J*

Date Sample Received: 09/17/87

VOLATILE COMPOUNDS

Concentrations: Low Medium (Circle One)

Date Extracted/Prepared: 09/19/87

Date Analyzed: 09/19/87

Conc/Dil Factor: 1

pH: 5.0

Percent Moisture: 14

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)	CAS Number		ug/l or <u>ug/l</u> (Circle One)
74-87-3	Chloromethane	10.0 U	79-34-5	1,1,2,2-Tetrachloroethane	5.0 U
74-83-9	Bromomethane	10.0 U	78-87-5	1,2-Dichloropropane	5.0 U
75-01-4	Vinyl Chloride	10.0 U	10061-02-6	Trans-1,3-Dichloropropene	5.0 U
75-00-3	Chloroethane	10.0 U	79-01-6	Trichloroethene	5.0 U
75-09-2	Methylene Chloride	25.0 B	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	74.0 B	79-00-5	1,1,2-Trichloroethane	5.0 U
75-15-0	Carbon Disulfide	5.0 U	71-43-2	Benzene	5.0 U
75-35-4	1,1-Dichloroethene	5.0 U	10061-01-5	cis-1,3-Dichloropropene	5.0 U
75-34-3	1,1-Dichloroethane	5.0 U	110-75-8	2-Chloroethylvinylether	10.0 U
156-60-5	Trans-1,2-Dichloroethene	5.0 U	75-25-2	Bromoform	5.0 U
67-66-3	Chloroform	5.0 U	591-78-6	2-Hexanone	10.0 U
107-06-2	1,2-Dichloroethane	5.0 U	108-10-1	4-Methyl-2-Pentanone	10.0 U
78-93-3	2-Butanone	10.0 U	127-18-4	Tetrachloroethene	5.0 U
71-55-6	1,1,1-Trichloroethane	1.4 J	108-88-3	Toluene	5.0 U
56-23-5	Carbon Tetrachloride	5.0 U	108-90-7	Chlorobenzene	5.0 U
108-05-4	Vinyl Acetate	10.0 U	100-41-4	Ethylbenzene	5.0 U
75-27-4	Bromodichloromethane	5.0 U	100-42-5	Styrene	5.0 U
				Total Xylenes	5.0 U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.

Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE

If the result is a value greater than or equal to the detection limit, report the value.

U

Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U) based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J

Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J).

C

This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS.

B

This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

OTHER

Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

ORGANIC ANALYSIS DATA SHEET

(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.Y. D.E.C.

SAMPLE NO.
SH-87-152

SEMI-VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 09/23/87
Date Analyzed: 10/10/87
Conc/Dil Factor: -----
Percent Moisture: 14

GPC Cleanup: Yes No XXX
Separatory Funnel Extractions: Yes
Continuous Liquid - Liquid Extraction: Yes

CAS Number		ug/l or ug/Kg (Circle One)	CAS Number		ug/l or ug/Kg (Circle One)
108-95-2	Phenol	330.0 U	83-32-9	Acenaphthene	330.0 U
111-44-4	bis(-2-Chloroethyl)Ether	330.0 U	51-28-5	2,4-Dinitrophenol	1600.0 U
95-57-8	2-Chlorophenol	330.0 U	100-02-7	4-Nitrophenol	1600.0 U
541-73-1	1,3-Dichlorobenzene	330.0 U	132-64-9	Dibenzofuran	330.0 U
106-46-7	1,4-Dichlorobenzene	330.0 U	121-14-2	2,4-Dinitrotoluene	330.0 U
100-51-6	Benzyl Alcohol	330.0 U	606-20-2	2,6-Dinitrotoluene	330.0 U
95-50-1	1,2-Dichlorobenzene	330.0 U	84-66-2	Diethylphthalate	330.0 U
95-48-7	2-Methylphenol	330.0 U	7005-72-3	4-Chlorophenyl-phenylether	330.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	330.0 U	86-73-7	Fluorene	330.0 U
106-44-5	4-Methylphenol	330.0 U	100-01-6	4-Nitroaniline	1600.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	330.0 U	534-52-1	4,6-Dinitro-2-Methylphenol	1600.0 U
67-72-1	Hexachloroethane	330.0 U	86-30-6	N-Nitrosodiphenylamine (1)	330.0 U
98-95-3	Nitrobenzene	330.0 U	101-55-3	4-Bromophenyl-phenylether	330.0 U
78-59-1	Isophorone	330.0 U	118-74-1	Hexachlorobenzene	330.0 U
88-75-5	2-Nitrophenol	330.0 U	87-86-5	Pentachlorophenol	1600.0 U
105-67-9	2,4-Dimethylphenol	330.0 U	85-01-8	Phenanthrene	330.0 U
65-85-0	Benzoic Acid	1600.0 U	120-12-7	Anthracene	330.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	330.0 U	84-74-2	Di-n-Butylphthalate	330.0 U
120-83-2	2,4-Dichlorophenol	330.0 U	206-44-0	Fluoranthene	330.0 U
120-82-1	1,2,4-Trichlorobenzene	330.0 U	129-00-0	Pyrene	330.0 U
91-20-3	Naphthalene	330.0 U	85-68-7	Butylbenzylphthalate	330.0 U
106-47-8	4-Chloroaniline	330.0 U	91-94-1	3,3'-Dichlorobenzidine	660.0 U
87-68-3	Hexachlorobutadiene	330.0 U	56-55-3	Benzo(a)Anthracene	330.0 U
59-50-7	4-Chloro-3-Methylphenol	330.0 U	117-81-7	bis(2-Ethylhexyl)Phthalate	330.0 U
91-57-6	2-Methylnaphthalene	330.0 U	218-01-9	Chrysene	330.0 U
77-47-4	Hexachlorocyclopentadiene	330.0 U	117-84-0	Di-n-Octyl Phthalate	330.0 U
88-06-2	2,4,6-Trichlorophenol	330.0 U	205-99-2	Benzo(b)Fluoranthene	330.0 U
95-95-4	2,4,5-Trichlorophenol	1600.0 U	207-08-9	Benzo(k)Fluoranthene	330.0 U
91-58-7	2-Chloronaphthalene	330.0 U	50-32-8	Benzo(a)Pyrene	330.0 U
88-74-4	2-Nitroaniline	1600.0 U	193-39-5	Indeno(1,2,3-cd)Pyrene	330.0 U
131-11-3	Dimethyl Phthalate	330.0 U	53-70-3	Dibenz(a,h)Anthracene	330.0 U
208-96-8	Acenaphthylene	330.0 U	191-24-2	Benzo(g,h,i)Perylene	330.0 U
99-09-2	3-Nitroaniline	1600.0 U			

(1) - Cannot be separated from diphenylamine.

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NY DEC

SH 87 152088

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 9/23/87

Date Analyzed: 10/11/87

Conc/Dil Factor: -----> 1

Percent Moisture: 14

GPC Cleanup: Yes _____ No X

Separatory Funnel Extractions: Yes _____

Continuous Liquid-Liquid Extractions: Yes _____

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)
319-84-6	Alpha-BHC	8.00 U
319-85-7	Beta-BHC	8.00 U
319-86-8	Delta-BHC	8.00 U
58-89-9	Gamma-BHC (Lindane)	8.00 U
76-44-8	Heptachlor	8.00 U
309-00-2	Aldrin	8.00 U
1024-57-3	Heptachlor Epoxide	8.00 U
959-98-8	Endosulfan I	8.00 U
60-57-1	Dieldrin	16.00 U
72-55-9	4,4'-DDE	2.6 J
72-20-8	Endrin	1.3 J
33213-65-9	Endosulfan II	3.2 J
72-54-8	4,4'-DDD	4.6 J
7421-93-4	Endrin Aldehyde	16.00 U
1031-07-8	Endosulfan Sulfate	19
50-29-3	4,4'-DDT	4.4 J
53494-70-5	Endrin Ketone	16.00 U
72-43-5	Methoxychlor	80.00 U
57-74-9	Chlordane	80.00 U
8001-35-2	Toxaphene	160.00 U
12674-11-2	Aroclor-1016	80.00 U
11104-28-2	Aroclor-1221	80.00 U
11141-16-5	Aroclor-1232	80.00 U
53469-21-9	Aroclor-1242	80.00 U
12672-29-6	Aroclor-1248	80.00 U
11097-69-1	Aroclor-1254	160.00 U
11096-82-5	Aroclor-1260	160.00 U

Vi = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs

or Ws

30

Vt

20000

Vi

3

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

LABORATORY NAME :NANCO LABS.INC.
CASE NO: NY DEC.

SAMPLE NUMBER

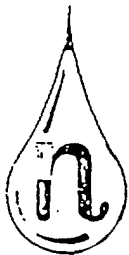
SH-87-152088-02

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1 76131	ETHANE,1,1,2-TRICHLORO-1,2,2-TRIFLUORO-	VOA	150	13.0 JB
2 110543	HEXANE	VOA	240	12.0 JB
3				
4				
5 -----	UNKNOWN	BNA	63	660.0 J
6 123422	2-PENTANONE,4-HYDROXYL-4-METHYL	BNA	107	20,000.0 J
7 -----	UNKNOWN ALKANE	BNA	132	750.0 J
8 -----	UNKNOWN ALKANE	BNA	143	980.0 J
9 100527	BENZALDEHYDE	BNA	255	1,200.0 J
10 -----	UNKNOWN	BNA	275	840.0 J
11 -----	UNKNOWN ALKANE	BNA	310	1,200.0 J
12 -----	UNKNOWN ALKANE	BNA	423	1,800.0 J
13 -----	UNKNOWN	BNA	1817	1,200.0 J
14				
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26				

FORM 1, PART B

SYL00114978



Low concentr. of volatiles

RECEIVED

OCT 22 1987

TECHNICAL SERVICES & RESEARCH
DIVISION OF WATER

SAMPLE DATA

SH-87-152099-04/Suff. Mater. Mining

Initia - 2-pentanone, 1/1 - 50 ppm
- 1/1

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

SAMPLE NUMBER

Laboratory Name: NANCO LABORATORY INC.

Lab File ID No: >82608

Sample Matrix: SOIL

Data Release Authorized By: *[Signature]*

Case No: NY DEC

QC Report No: N/A

Contract No: N/A

Date Sample Received: 09/17/87

SH-87-152077

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 09/20/87
Date Analyzed: 09/20/87
Conc/Dil Factor: 1 pH: 5.3
Percent Moisture: 04-

CAS Number	ug/l or ug/kg (Circle One)	CAS Number	ug/l or ug/kg (Circle One)
74-87-3 Chloromethane	10.0 U	79-34-5 1,1,2,2-Tetrachloroethane	5.0 U
74-83-9 Bromomethane	10.0 U	78-87-5 1,2-Dichloropropane	5.0 U
75-01-4 Vinyl Chloride	10.0 U	10061-02-6 Trans-1,3-Dichloropropene	5.0 U
75-00-3 Chloroethane	10.0 U	79-01-6 Trichloroethene	5.0 U
75-09-2 Methylene Chloride	5.0 U	124-48-1 Dibromochloromethane	5.0 U
67-64-1 Acetone	97.0 B	79-00-5 1,1,2-Trichloroethane	5.0 U
75-15-0 Carbon Disulfide	5.0 U	71-43-2 Benzene	5.0 U
75-35-4 1,1-Dichloroethene	5.0 U	10061-01-5 cis-1,3-Dichloropropene	5.0 U
75-34-3 1,1-Dichloroethane	5.0 U	110-75-8 2-Chloroethylvinylether	10.0 U
156-60-5 Trans-1,2-Dichloroethene	5.0 U	75-25-2 Bromoform	5.0 U
67-66-3 Chloroform	5.0 U	591-78-6 2-Hexanone	10.0 U
107-06-2 1,2-Dichloroethane	5.0 U	108-10-1 4-Methyl-2-Pentanone	10.0 U
78-93-3 2-Butanone	10.0 U	127-18-4 Tetrachloroethene	5.0 U
71-55-6 1,1,1-Trichloroethane	5.0 U	108-88-3 Toluene	5.0 U
56-23-5 Carbon Tetrachloride	5.0 U	108-90-7 Chlorobenzene	5.0 U
108-05-4 Vinyl Acetate	10.0 U	100-41-4 Ethylbenzene	5.0 U
75-27-4 Bromodichloromethane	5.0 U	100-42-5 Styrene	5.0 U
		Total Xylenes	5.0 U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.
Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE

If the result is a value greater than or equal to the detection limit, report the value.

U

Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J

Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J).

C

This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS.

B

This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

OTHER

Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

ORGANIC ANALYSIS DATA SHEET

(PAGE 2)

LABORATORY NAME: NANCO LABS. INC..

CASE NO: N.Y. D.E.C..

SAMPLE NO.

SH-87-152099-1

SEMIVOLATILE COMPOUNDS

Concentrations: Low Medium- (Circle One)

Date Extracted/Prepared: 09/23/87

Date Analyzed: 10/10/87

Conc/Dil Factor: ----->

1

Percent Moisture: 4

GPC Cleanup: Yes No XXX

Separatory Funnel Extraction: Yes

Continuous Liquid - Liquid Extraction: Yes

CAS Number		ug/L or ug/Kg (Circle One)	CAS Number		ug/L or ug/Kg (Circle One)
108-95-2	Phenol	330.0 U	83-32-9	Acenaphthene-	330.0 U
111-44-4	bis(-2-Chloroethyl)Ether	330.0 U	51-28-5	2,4-Dinitrophenol	1600.0 U
95-57-8	2-Chlorophenol	330.0 U	100-02-7	4-Nitrophenol	1600.0 U
541-73-1	1,3-Dichlorobenzene	330.0 U	132-64-9	Dibenzofuran-	330.0 U
106-46-7	1,4-Dichlorobenzene-	330.0 U	121-14-2	2,4-Dinitrotoluene	330.0 U
100-51-6	Benzyl Alcohol	330.0 U	606-20-2	2,6-Dinitrotoluene	330.0 U
95-50-1	1,2-Dichlorobenzene	330.0 U	84-66-2	Diethylphthalate	330.0 U
95-48-7	2-Methylphenol	330.0 U	7005-72-3	4-Chlorophenyl-phenylether-	330.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	330.0 U	86-73-7	Fluorene-	330.0 U
106-44-5	4-Methylphenol	330.0 U	100-01-6	4-Nitroaniline	1600.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	330.0 U	534-52-1	4,6-Dinitro-2-Methylphenol	1600.0 U
67-72-1	Hexachloroethane	330.0 U	86-30-6	N-Nitrosodiphenylamine (1)	330.0 U
98-95-3	Nitrobenzene-	330.0 U	101-55-3	4-Bromophenyl-phenylether	330.0 U
78-59-1	Isophorone	330.0 U	118-74-1	Hexachlorobenzene	330.0 U
88-75-5	2-Nitrophenol	330.0 U	87-86-5	Pentachlorophenol	1600.0 U
105-67-9	2,4-Dimethylphenol	330.0 U	85-01-8	Phenanthrene-	330.0 U
65-85-0	Benzoic Acid	1600.0 U	120-12-7	Anthracene	330.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	330.0 U	84-74-2	Di-n-Butylphthalate	330.0 U
120-83-2	2,4-Dichlorophenol	330.0 U	206-44-0	Fluoranthene-	330.0 U
120-82-1	1,2,4-Trichlorobenzene-	330.0 U	129-00-0	Pyrene-	330.0 U
91-20-3	Naphthalene	330.0 U	85-68-7	Butylbenzylphthalate	330.0 U
106-47-8	4-Chloroaniline-	330.0 U	91-94-1	3,3'-Dichlorobenzidine	660.0 U
87-68-3	Hexachlorobutadiene	330.0 U	56-55-3	Benzo(a)Anthracene	330.0 U
59-50-7	4-Chloro-3-Methylphenol	330.0 U	117-81-7	bis(2-Ethylhexyl)Phthalate	330.0 U
91-57-6	2-Methylnaphthalene-	330.0 U	218-01-9	Chrysene-	330.0 U
77-47-4	Hexachlorocyclopentadiene-	330.0 U	117-84-0	Di-n-Octyl Phthalate	330.0 U
88-06-2	2,4,6-Trichlorophenol	330.0 U	205-99-2	Benzo(b)Fluoranthene-	330.0 U
95-95-4	2,4,5-Trichlorophenol	1600.0 U	207-08-9	Benzo(k)Fluoranthene-	330.0 U
91-58-7	2-Chloronaphthalene-	330.0 U	50-32-8	Benzo(a)Pyrene-	330.0 U
88-74-4	2-Nitroaniline-	1600.0 U	193-39-5	Indeno(1,2,3-cd)Pyrene-	330.0 U
131-11-3	Dimethyl Phthalate	330.0 U	53-70-3	Dibenz(a,h)Anthracene-	330.0 U
208-96-8	Acenaphthylene	330.0 U	191-24-2	Benzo(g,h,i)Perylene	330.0 U
99-09-2	3-Nitroaniline-	1600.0 U			

(1) - Cannot be separated from diphenylamine.

SYL00114981

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: HANCO LABS, INC.

CASE NO: NY DEC

SH 587 151

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 9/23/87

Date Analyzed: 10/12/87

Conc/Dil Factor: -----> 1

Percent Moisture: 4

GPC Cleanup: Yes No X

Separatory Funnel Extractions: Yes

Continuous Liquid-Liquid Extractions: Yes

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)
319-84-6	Alpha-BHC	8.00 U
319-85-7	Beta-BHC	8.00 U
319-86-8	Delta-BHC	8.00 U
58-89-9	Gamma-BHC (Lindane)	8.00 U
76-44-8	Heptachlor	8.00 U
309-00-2	Aldrin	8.00 U
1024-57-3	Heptachlor Epoxide	8.00 U
959-98-8	Endosulfan I	8.00 U
60-57-1	Dieldrin	16.00 U
72-55-9	4,4'-DDE	16.00 U
72-20-8	Endrin	16.00 U
33213-65-9	Endosulfan II	16.00 U
72-54-8	4,4'-DDD	16.00 U
7421-93-4	Endrin Aldehyde	16.00 U
1031-07-8	Endosulfan Sulfate	16.00 U
50-29-3	4,4'-DDT	16.00 U
53494-70-5	Endrin Ketone	16.00 U
72-43-5	Methoxychlor	80.00 U
57-74-9	Chlordane	80.00 U
8001-35-2	Toxaphene	160.00 U
12674-11-2	Aroclor-1016	80.00 U
11104-28-2	Aroclor-1221	80.00 U
11141-16-5	Aroclor-1232	80.00 U
53469-21-9	Aroclor-1242	80.00 U
12672-29-6	Aroclor-1248	80.00 U
11097-69-1	Aroclor-1254	160.00 U
11096-82-5	Aroclor-1260	160.00 U

Vf = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs _____ or Ws 30 Vt 20000 Vf 3

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

LABORATORY NAME:-NANCO LABS, INC..
CASE NO: NY DEC.

SAMPLE NUMBER

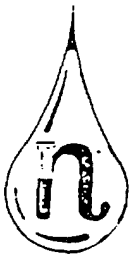
SH-87-152099-04

Tentatively Identified Compounds:-

C.A.S. Number	Compound Name	Fraction	RT or Scan Number		Estimated Concentration (ug/l or ug/Kg)
1 76131	ETHANE,1,1,2-TRICHLORO-1,2,2-TRIFLUORO	VOA	169		6.1 J
2					
3					
4					
5					
6					
7 -----	UNKNOWN	BNA	74		1200.0 J
8 123422	2-PENTANONE,4-HYDROXY-4-METHYL-	BNA	117		32000.0 J
9 -----	UNKNOWN ALKANE	BNA	138		1200.0 J
10 -----	UNKNOWN ALKANE	BNA	149		1600.0 J
11					
12					
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26					

FORM I, PART B

SYL00114983



RECEIVED

OCT 22 1981

TECHNICAL SERVICES & RESEARCH
DIVISION OF WATER

Low counter. *irradiation* *irradiation*
Post P12

SAMPLE DATA

SH-87-152899-02/044 Material M
Tentative same high number

SYL00114984

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER

Laboratory Name: NAWCO LABORATORY INC.

Lab File ID No: A2539

Sample Matrix: SOIL

Data Release Authorized By: *Sobal*

Case No: NY DEC

QC Report No: N/A

Contract No: N/A

Date Sample Received: 09/17/87

SH-87-152099-07

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
 Date Extracted/Prepared: 09/19/87
 Date Analyzed: 09/19/87
 Conc/Dil Factor: 1 pH: 2.4
 Percent Moisture: 06

CAS Number		ug/l or ug/Kg (Circle One)	CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	10.0 U	79-34-5	1,1,2,2-Tetrachloroethane	5.0 U
74-83-9	Bromomethane	10.0 U	78-87-5	1,2-Dichloropropane	5.0 U
75-01-4	Vinyl Chloride	10.0 U	10061-02-6	Trans-1,3-Dichloropropene	5.0 U
75-00-3	Chloroethane	10.0 U	79-01-6	Trichloroethane	5.0 U
75-09-2	Methylene Chloride	19.0 B	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	55.0 B	79-00-5	1,1,2-Trichloroethane	5.0 U
75-15-0	Carbon Disulfide	5.0 U	71-43-2	Benzene	5.0 U
75-35-4	1,1-Dichloroethene	5.0 U	10061-01-5	cis-1,3-Dichloropropene	5.0 U
75-34-3	1,1-Dichloroethane	5.0 U	110-75-8	2-Chloroethylvinylether	10.0 U
156-60-5	Trans-1,2-Dichloroethene	5.0 U	75-25-2	Bromoform	5.0 U
67-66-3	Chloroform	5.0 U	591-78-6	2-Hexanone	10.0 U
107-06-2	1,2-Dichloroethane	5.0 U	108-10-1	4-Methyl-2-Pentanone	10.0 U
71-93-3	2-Butanone	10.0 U	127-18-4	Tetrachloroethene	5.0 U
71-55-6	1,1,1-Trichloroethane	5.0 U	108-88-3	Toluene	5.0 U
56-23-5	Carbon Tetrachloride	5.0 U	108-90-7	Chlorobenzene	5.0 U
108-05-4	Vinyl Acetate	28.0 -	100-41-4	Ethylbenzene	5.0 U
75-27-4	Bromodichloromethane	5.0 U	100-42-5	Styrene	5.0 U
				Total Xylenes	5.0 U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.

Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE	C
If the result is a value greater than or equal to the detection limit, report the value.	This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS.
U	B
Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U) based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.	This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
J	OTHER
Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J).	Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.Y. D.E.C.

SAMPLE NO.
SH-87-15

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 09/23/87
Date Analyzed: 10/10/87
Conc/Dil Factor: ----- 1
Percent Moisture: 6

GPC Cleanup: Yes ___ No XXX
Separatory Funnel Extractions: Yes ___
Continuous Liquid - Liquid Extraction: Yes ___

CAS Number		ug/l or <u>ug/kg</u> (Circle One)	CAS Number		ug/l or <u>ug/kg</u> (Circle One)
108-95-2	Phenol	330.0 U	83-32-9	Acenaphthene	330.0 U
111-44-4	bis(-2-Chloroethyl)Ether	330.0 U	51-28-5	2,4-Dinitrophenol	1600.0 U
95-57-8	2-Chlorophenol	330.0 U	100-02-7	4-Nitrophenol	1600.0 U
541-73-1	1,3-Dichlorobenzene	330.0 U	132-64-9	Dibenzofuran	330.0 U
106-46-7	1,4-Dichlorobenzene	330.0 U	121-14-2	2,4-Dinitrotoluene	330.0 U
100-51-6	Benzyl Alcohol	330.0 U	606-20-2	2,6-Dinitrotoluene	330.0 U
95-50-1	1,2-Dichlorobenzene	330.0 U	84-66-2	Diethylphthalate	330.0 U
95-48-7	2-Methylphenol	330.0 U	7005-72-3	4-Chlorophenyl-phenylether	330.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	330.0 U	86-73-7	Fluorene	330.0 U
106-44-5	4-Methylphenol	330.0 U	100-01-6	4-Nitroaniline	1600.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	330.0 U	536-52-1	4,6-Dinitro-2-Methylphenol	1600.0 U
67-72-1	Hexachloroethane	330.0 U	86-30-6	N-Nitrosodiphenylamine (1)	330.0 U
98-95-3	Nitrobenzene	330.0 U	101-55-3	4-Bromophenyl-phenylether	330.0 U
78-59-1	Isophorone	330.0 U	118-74-1	Hexachlorobenzene	330.0 U
88-75-5	2-Nitrophenol	330.0 U	87-86-5	Pentachlorophenol	1600.0 U
105-67-9	2,4-Dimethylphenol	330.0 U	85-01-8	Phenanthrene	330.0 U
65-85-0	Benzoic Acid	1600.0 U	120-12-7	Anthracene	330.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	330.0 U	84-74-2	Di-n-Butylphthalate	330.0 U
120-83-2	2,4-Dichlorophenol	330.0 U	206-44-0	Fluoranthene	330.0 U
120-82-1	1,2,4-Trichlorobenzene	330.0 U	129-00-0	Pyrene	330.0 U
91-20-3	Naphthalene	120.0 U	85-68-7	Butylbenzylphthalate	330.0 U
106-47-8	4-Chloroaniline	330.0 U	91-94-1	3,3'-Dichlorobenzidine	660.0 U
87-68-3	Hexachlorobutadiene	330.0 U	56-55-3	Benzo(a)Anthracene	330.0 U
59-50-7	4-Chloro-3-Methylphenol	330.0 U	117-81-7	bis(2-Ethylhexyl)Phthalate	330.0 U
91-57-6	2-Methylnaphthalene	330.0 U	218-01-9	Chrysene	330.0 U
77-47-4	Hexachlorocyclopentadiene	330.0 U	117-84-0	Di-n-Octyl Phthalate	330.0 U
88-06-2	2,4,6-Trichlorophenol	330.0 U	205-99-2	Benzo(b)Fluoranthene	330.0 U
95-95-4	2,4,5-Trichlorophenol	1600.0 U	207-08-9	Benzo(k)Fluoranthene	330.0 U
91-58-7	2-Chloronaphthalene	330.0 U	50-32-8	Benzo(a)Pyrene	330.0 U
88-74-4	2-Nitroaniline	1600.0 U	193-39-5	Indeno(1,2,3-cd)Pyrene	330.0 U
131-11-3	Dimethyl Phthalate	330.0 U	53-70-3	Dibenz(a,h)Anthracene	330.0 U
208-96-8	Acenaphthylene	330.0 U	191-24-2	Benzo(g,h,i)Perylene	330.0 U
99-09-2	3-Nitroaniline	1600.0 U			

(1) - Cannot be separated from diphenylamine

ORGANICS ANALYSIS DATA SHEET

(PAGE: 3)

SAMPLE NUMBER

LABORATORY NAME: NAWCO LABS, INC.

CASE NO: NY DEC:

SH 87 152095

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 9/23/87

Date Analyzed: 10/12/87

Conc/Dil Factor: -----> 1

Percent Moisture: 6

GPC Cleanup: Yes _____ No X

Separatory Funnel Extractions: Yes _____

Continuous Liquid-Liquid Extractions: Yes _____

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)
319-84-6	Alpha-BHC	8.00 U
319-85-7	Beta-BHC	7.2 J
319-86-8	Delta-BHC	8.00 U
58-89-9	Gamma-BHC (Lindane)	8.00 U
76-44-8	Heptachlor	8.00 U
309-00-2	Aldrin	8.00 U
1024-57-3	Heptachlor Epoxide	1.2 J
959-98-8	Endosulfan I	8.00 U
60-57-1	Dieldrin	16.00 U
72-55-9	4,4'-DDE	16.00 U
72-20-8	Endrin	16.00 U
33213-65-9	Endosulfan II	16.00 U
72-54-8	4,4'-DDD	16.00 U
7421-93-4	Endrin Aldehyde	16.00 U
1031-07-8	Endosulfan Sulfate	16.00 U
50-29-3	4,4'-DDT	16.00 U
53494-70-5	Endrin Ketone	16.00 U
72-43-5	Methoxychlor	80.00 U
57-74-9	Chlordane	80.00 U
8001-35-2	Toxaphene	160.00 U
12674-11-2	Aroclor-1016	80.00 U
11104-28-2	Aroclor-1221	80.00 U
11141-16-5	Aroclor-1232	80.00 U
53469-21-9	Aroclor-1242	80.00 U
12672-29-6	Aroclor-1248	80.00 U
11097-69-1	Aroclor-1254	160.00 U
11096-82-5	Aroclor-1260	160.00 U

Vi = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs _____ or Ws _____ Vt _____ 20000 3

ORGANICS ANALYSIS DATA SHEET

(PAGE 4)

LABORATORY NAME: NANCO LABS. INC.

CASE NO: NY DEC

SAMPLE NUMBER:

SH-87-152099-02

Tentatively Identified Compounds:

CASS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration	
				(ug/l or	(ug/Kg)
1- 79209	ACETIC ACID, METHYL ESTER	VGA	113	9.0 J	
2- 76131	ETHANE, 1,1,2-TRICHLORO-1,2,2-TRIFLUORO	VGA	150	8.9 JB	
3- 110543	HEXANE	VGA	241	8 JB	
4-					
5- -----	UNKNOWN	BNA	70	560.0 J	
6- -----	UNKNOWN KETONE	BNA	113	18000.0 J	
7- -----	UNKNOWN ALKANE	BNA	138	700.0 J	
8- -----	UNKNOWN ALKANE	BNA	149	900.0 J	
9- -----	UNKNOWN	BNA	281	690.0 J	
10- 124185	DECANE	BNA	317	1700.0 J	
11- 99876	BENZENE, 1-METHYL-4-(METHYLETHYL)-	BNA	339	570.0 J	
12- -----	UNKNOWN ALKANE	BNA	343	640.0 J	
13- -----	UNKNOWN ALKANE	BNA	382	590.0 J	
14- -----	UNKNOWN ALKANE	BNA	390	840.0 J	
15- -----	UNKNOWN ALKANE	BNA	397	570.0 J	
16- -----	UNDECANE	BNA	429	2500.0 J	
17- -----	DODECANE	BNA	530	670.0 J	
18- -----	UNKNOWN CARBOXYLIC ACID	BNA	1371	4300.0 JB	
19-					
20-					
21-					
22-					
23-					
24-					
25-					
26-					

FORM-1, PART B

SYL00114988

REFERENCE 6

(Located in Roux Associates, Inc. Files)

SYL00114989

APPENDIX B

APPENDIX B

Field Procedures

- Section 1 - Split Spoon Sampling and Monitoring
Well Installation
- Section 2 - Monitoring Well Sampling

SYL00114990

APPENDIX B

Field Procedure

Section 1 - Split Spoon Sampling and Monitoring Well Installation

SYL00114991

METHODS OF INVESTIGATION

The investigation consisted of a detailed subsurface study directed at identifying the nature and extent of any ground-water and soil contaminated at the Site.

The investigation was composed of a multi-task study as follows:

- Soil sampling
- Monitoring well installation
- Ground-water sampling

All monitoring wells were installed by Marine Pollution Control, Inc. of Calverton, New York under the supervision of a hydrogeologist from Roux Associates, Inc. A truck mounted hollow stem auger rig was used to install the wells. Split-spoon core barrel samplers were used to collect samples continuously (every five feet) from land surface to the bottom of the boring.

The split-spoon samples were collected ahead of the auger flights in undisturbed sediments using a standard 140 lb. hammer with a 30 inch fall. The number of blows required to drive the sampler each six inches was noted and logged in the field book.

The split-spoon sampler was opened on a clean stand or clean plastic sheeting and samples were immediately placed in glass mason jars by a hydrogeologist and logged in detail, paying particular attention to the presence of contamination (odor, texture, staining, etc.). Detailed geologic logs are given in Appendix D. In addition to logging the split-spoon samples, the soil sample was field screened using an organic vapor meter (OVM - Model 580A) and recorded.

As part of the health and safety plan, ambient air quality in the breathing zone was monitored throughout the drilling program using a portable organic vapor meter (OVM), portable organic vapor analyzer (OVA), tri gas meter, and radiometer. All readings were recorded in the site field book.

SYL00114992

After a sample was collected, the bore hole was advanced five feet with power driven, 6 1/4" diameter, hollow stem auger flight and the next sample collected. To prevent dilution of any contaminants that might be present, water was not normally used in the hole during drilling. Water was only used in the hole when running sand was encountered and had to be washed out so that the well could be set at the desired depth.

Cross-contamination of sediments within the boring was minimized as samples were collected ahead of the auger flights. In addition, several split-spoon samplers were used and each sampler used was decontaminated by the means of a steam cleaner.

Clean plastic sheeting was spread out on the ground in the work area and all drilling equipment including augers, rods, and any other tools and equipment used for drilling was placed on wooden pallets.

To prevent cross-contamination between boreholes all appropriate drilling equipment, including the drilling rig, was steam cleaned before moving to the next well location.

SYL00114993

MONITORING WELL INSTALLATION

Upon completion of the soil boring, a 10 foot long, 2-inch diameter, Schedule 40 PVC (polyvinyl-chloride), 0.010 slotted section and appropriate length of blank PVC riser pipe were installed in the annular space of the hollow stem auger. Prior to installation of the well, all well materials (screen, riser, and caps) were steam cleaned, and all personnel handling the materials wore clean rubber gloves to minimize cross contamination. A suitable sized graded sand (No. 1) was then used to pack the annular space at least 2-3 feet above the screen zone.

A two-foot thick bentonite pellet seal was emplaced on the graded sand pack. A continuous flow of water was poured slowly onto the pellets for 60 minutes to allow for hydration.

The remaining open portion of the annulus was filled with a cement-based grout slurry, which was pumped into the annulus through a tremie pipe.

Pumping of the grout continued to within three feet of land surface. A protective 6-inch steel casing with a locking cover was cemented into place over the PVC casing. The steel casings extend approximately three feet below land surface and stuck up approximately two feet above land surface.

SYL00114994

APPENDIX B

Field Procedure

Section 2 - Monitoring Well Sampling

SYL00114995

MONITORING WELL SAMPLING

Monitoring Wells MW-1 through MW-8 were sampled on March 26 and 27, 1991. Prior to sampling water level measurements were taken to the nearest hundredth of a foot and then purged.

Prior to purging, the seal-of-custody on the laboratory-provided, pre-labeled sample bottles was cut to facilitate sampling. The field parameters, conductivity, pH, temperature and turbidity were measured until they leveled off and the turbidity was below 50 NTU's. The wells were purged until four well volumes were removed from each well, using a Geoguard pump with a new air filter, by Marine Pollution Control. The pump was cleaned between each well. Samples from each well were taken with dedicated disposable bailers which were left in the well after use. All sampling personnel wore a clean set of disposable vinyl gloves for each well.

The following single bottles were collected for each well:

	Preservative
2 - 40 ml vials	---
3 - liter glass bottles	---
2 - 1,000 ml plastic bottles	---
2 - 1,000 ml plastic bottles	NaO ₄
1 - 1,000 ml plastic bottle	HNO ₃

A duplicate sample, labeled MW-X, was collected from MW-6. A matrix spike/matrix spike duplicate (MS/MSD) sample was taken from well MW-5. The laboratory was supplied a bailer from the lot of bailers (Lot #7) used in the investigation to be analyzed as a field blank, so no field blanks were taken in the field. A trip blank was analyzed for volatile organics.

All samples were packed on ice, and hand delivered to H2M Laboratories the day of sampling. Chain of custody documentation is provided in Appendix D. All disposable sampling equipment (gloves, rope) was properly discarded upon completion of sampling.

SYL00114996

All water level measurements, purging data, and field parameter measurements are included on the well sampling forms at the end of this section.

SYL00114997

GH07710Y.1.14 apb

WELL SAMPLING DATA FORM

CLIENT Gibbs & Hill
 PROJECT NO. 07710Y
 LOCATION Hicksville, NY

WELL NUMBER	<u>MW-1</u>	TYPE OF WELL	<u>Monitoring</u>
DATE	<u>3/26/91</u>	STORAGE TANK	<u>-</u>
WEATHER	<u>Sunny and Pleasant. 50's</u>	TIME OF START	<u>9:50am</u>
SAMPLED BY	<u>K. Klotzer. E. Arnesen</u>	TIME OF FINISH	<u>10:30am</u>

DEPTH TO BOTTOM OF WELL	<u>58.70</u>	FT.
DEPTH TO WATER	<u>49.85</u>	FT.
WATER COLUMN	<u>8.85</u>	FT.
VOLUME OF WATER IN WELL	<u>1.30</u>	GAL.
VOLUME OF WATER TO REMOVE	<u>5.20</u>	GAL.
VOLUME REMOVED	<u>6.66</u>	GAL.

RATE OF PURGE .66 gal./min.
 METHOD OF PURGE Bladder Pump

PHYSICAL APPEARANCE/COMMENTS

-Water clear, became cloudy as sampling progressed.

FIELD MEASUREMENTS

<u>TIME</u>	<u>pH</u>	<u>COND</u>	<u>TEMP</u>	<u>TURB</u>	<u>Eh</u>	<u>O₂</u>
9:50am	6.33	1688	20°C	13NTU	N/A	N/A

TYPES OF SAMPLES COLLECTED

- TCL Metals
- TCL Volatiles
- TCL Semi-Volatiles
- TCL Pesticides/PCB's
- Full TCL-pH, Specific Conductance, COD, TDS, TSS

LABORATORY NAME AND LOCATION

H2M Labs., Inc.
 Melville, NY

N/A- Not Applicable

SYL00114998

WELL SAMPLING DATA FORM

CLIENT Gibbs & Hill
PROJECT NO. 07710Y
LOCATION Hicksville, NY

WELL NUMBER MW-2
DATE 3/26/91
WEATHER Sunny and Pleasant, 50's
SAMPLED BY K. Klotzer, E. Arnesen

TYPE OF WELL Monitoring
STORAGE TANK _____
TIME OF START 11:45am
TIME OF FINISH 12:15pm

DEPTH TO BOTTOM OF WELL	<u>63.25</u>	<u>FT.</u>
DEPTH TO WATER	<u>60.41</u>	<u>FT.</u>
WATER COLUMN	<u>8.53</u>	<u>FT.</u>
VOLUME OF WATER IN WELL	<u>1.25</u>	<u>GAL.</u>
VOLUME OF WATER TO REMOVE	<u>5.00</u>	<u>GAL.</u>
VOLUME REMOVED	<u>6.00</u>	<u>GAL.</u>

RATE OF PURGE .66 gal./min.
METHOD OF PURGE Bladder Pump

PHYSICAL APPEARANCE/COMMENTS

-Water clear, became cloudy as sampling progressed.

FIELD MEASUREMENTS

<u>TIME</u>	<u>pH</u>	<u>COND</u>	<u>TEMP</u>	<u>TURB</u>	<u>Eh</u>	<u>O₂</u>
11:45am	6.55	324	17°C	12NTU	N/A	N/A

TYPES OF SAMPLES COLLECTED

- TCL Metals
- TCL Volatiles
- TCL Semi-Volatiles
- TCL Pesticides/PCB's
- Full TCL-pH, Specific Conductance, COD, TDS, TSS

LABORATORY NAME AND LOCATION

H2M Labs., Inc.
Melville, NY
N/A- Not Applicable

SYL00114999

WELL SAMPLING DATA FORM

CLIENT Gibbs & Hill
PROJECT NO. 07710Y
LOCATION Hicksville, NY

WELL NUMBER MW-3
DATE 3/26/91
WEATHER Sunny and Pleasant, 50's
SAMPLED BY K. Klotzer, E. Arnesen

TYPE OF WELL Monitoring
STORAGE TANK -
TIME OF START 11:00am
TIME OF FINISH 11:35am

DEPTH TO BOTTOM OF WELL	<u>67.49</u>	<u>FT.</u>
DEPTH TO WATER	<u>60.49</u>	<u>FT.</u>
WATER COLUMN	<u>9.58</u>	<u>FT.</u>
VOLUME OF WATER IN WELL	<u>1.40</u>	<u>GAL.</u>
VOLUME OF WATER TO REMOVE	<u>5.61</u>	<u>GAL.</u>
VOLUME REMOVED	<u>6.00</u>	<u>GAL.</u>

RATE OF PURGE .66 gal./min.
METHOD OF PURGE Bladder Pump

PHYSICAL APPEARANCE/COMMENTS

-Water clear, became cloudy as sampling progressed.

FIELD MEASUREMENTS

<u>TIME</u>	<u>pH</u>	<u>COND</u>	<u>TEMP</u>	<u>TURB</u>	<u>Eh</u>	<u>O₂</u>
11:00am	6.72	1153	20°C	30NTU	N/A	N/A

TYPES OF SAMPLES COLLECTED

- TCL Metals
- TCL Volatiles
- TCL Semi-Volatiles
- TCL Pesticides/PCB's
- Full TCL-pH, Specific Conductance, COD, TDS, TSS

LABORATORY NAME AND LOCATION

H2M Labs., Inc.
Melville, NY

N/A- Not Applicable

SYL00115000

WELL SAMPLING DATA FORM

CLIENT Gibbs & Hill
 PROJECT NO. 07710Y
 LOCATION Hicksville, NY

WELL NUMBER	<u>MW-4</u>	TYPE OF WELL	<u>Monitoring</u>
DATE	<u>3/27/91</u>	STORAGE TANK	<u>-</u>
WEATHER	<u>Cloudy and Pleasant, 50's</u>	TIME OF START	<u>9:30am</u>
SAMPLED BY	<u>K. Klotzer, E. Arnesen</u>	TIME OF FINISH	<u></u>

DEPTH TO BOTTOM OF WELL	<u>59.10</u>	<u>FT.</u>
DEPTH TO WATER	<u>50.70</u>	<u>FT.</u>
WATER COLUMN	<u>8.40</u>	<u>FT.</u>
VOLUME OF WATER IN WELL	<u>1.23</u>	<u>GAL.</u>
VOLUME OF WATER TO REMOVE	<u>4.92</u>	<u>GAL.</u>
VOLUME REMOVED	<u>5.25</u>	<u>GAL.</u>

RATE OF PURGE .75 gal./min.
 METHOD OF PURGE Bladder Pump

PHYSICAL APPEARANCE/COMMENTS

-Water clear, became cloudy as sampling progressed.

FIELD MEASUREMENTS

<u>TIME</u>	<u>pH</u>	<u>COND</u>	<u>TEMP</u>	<u>TURB</u>	<u>Eh</u>	<u>O₂</u>
9:30	6.43	841	11°C	34 NTU	N/A	N/A

TYPES OF SAMPLES COLLECTED

- TCL Metals
- TCL Volatiles
- TCL Semi-Volatiles
- TCL Pesticides/PCB's
- Full TCL, pH, Specific Conductance, COD, TDS, TSS

LABORATORY NAME AND LOCATION

H2M Labs., Inc.
 Melville, NY

N/A- Not Applicable

SYL00115001

WELL SAMPLING DATA FORM

CLIENT Gibbs & Hill
 PROJECT NO. 07710Y
 LOCATION Hicksville, NY

WELL NUMBER	<u>MW-5</u>	TYPE OF WELL	<u>Monitoring</u>
DATE	<u>3/27/91</u>	STORAGE TANK	<u>-</u>
WEATHER	<u>Cloudy and Mild, 50's</u>	TIME OF START	<u>11:30am</u>
SAMPLED BY	<u>K. Klotzer, E. Arnesen</u>	TIME OF FINISH	<u></u>

DEPTH TO BOTTOM OF WELL	<u>59.82</u>	FT.
DEPTH TO WATER	<u>53.31</u>	FT.
WATER COLUMN	<u>8.83</u>	FT.
VOLUME OF WATER IN WELL	<u>1.29</u>	GAL.
VOLUME OF WATER TO REMOVE	<u>5.16</u>	GAL.
VOLUME REMOVED	<u>7.50</u>	GAL.

RATE OF PURGE .75 gal./min.
 METHOD OF PURGE Bladder Pump

PHYSICAL APPEARANCE/COMMENTS

-Water clear, became cloudy as sampling progressed.

FIELD MEASUREMENTS

<u>TIME</u>	<u>pH</u>	<u>COND</u>	<u>TEMP</u>	<u>TURB</u>	<u>Eh</u>	<u>O₂</u>
11:30am	6.47	703	11°C	7 NTU	N/A	N/A

TYPES OF SAMPLES COLLECTED

- TCL Metals
- TCL Volatiles
- TCL Semi-Volatiles
- TCL Pesticides/PBC's
- Full TCL-pH, Specific Conductance, COD, TDS, TSS
- MS and MSD taken at MW-5

LABORATORY NAME AND LOCATION

H2M Labs., Inc.
 Melville, NY

N/A- Not Applicable

SYL00115002

WELL SAMPLING DATA FORM

CLIENT Gibbs & Hill
 PROJECT NO. 07710Y
 LOCATION Hicksville, NY

WELL NUMBER MW-6
 DATE 3/26/91
 WEATHER Sunny and Pleasant, 50's
 SAMPLED BY K. Klotzer, E. Arnesen

TYPE OF WELL Monitoring
 STORAGE TANK -
 TIME OF START 12:30pm
 TIME OF FINISH 1:30pm

DEPTH TO BOTTOM OF WELL	<u>59.45</u>	<u>FT.</u>
DEPTH TO WATER	<u>50.05</u>	<u>FT.</u>
WATER COLUMN	<u>9.40</u>	<u>FT.</u>
VOLUME OF WATER IN WELL	<u>1.38</u>	<u>GAL.</u>
VOLUME OF WATER TO REMOVE	<u>5.52</u>	<u>GAL.</u>
VOLUME REMOVED	<u>6.00</u>	<u>GAL.</u>

RATE OF PURGE .66 gal./min.
 METHOD OF PURGE Bladder Pump

PHYSICAL APPEARANCE/COMMENTS

-Water clear, became cloudy as sampling progressed

FIELD MEASUREMENTS

<u>TIME</u>	<u>pH</u>	<u>COND</u>	<u>TEMP</u>	<u>TURB</u>	<u>Eh</u>	<u>O₂</u>
12:30pm	6.07	787	16°C	5 NTU	N/A	N/A

TYPES OF SAMPLES COLLECTED

- TCL Metals
- TCL Volatiles
- TCL Semi-Volatiles
- TCL Pesticides/PCB's
- Full TCL-pH, Specific Conductance, COS, TDS, TSS
- Duplicate taken at MW-6, labeled MW-X

LABORATORY NAME AND LOCATION

H2M Labs., Inc.
 Melville, NY

N/A- Not Applicable

SYL00115003

WELL SAMPLING DATA FORM

CLIENT Gibbs & Hill
PROJECT NO. 07710Y
LOCATION Hicksville, NY

WELL NUMBER	<u>MW-7</u>	TYPE OF WELL	<u>Monitoring</u>
DATE	<u>3/27/91</u>	STORAGE TANK	<u>-</u>
WEATHER	<u>Cloudy and Mild, 50's</u>	TIME OF START	<u>10:35am</u>
SAMPLED BY	<u>K. Klotzer, E. Arnesen</u>	TIME OF FINISH	<u></u>

DEPTH TO BOTTOM OF WELL	<u>68.50</u>	<u>FT.</u>
DEPTH TO WATER	<u>51.88</u>	<u>FT.</u>
WATER COLUMN	<u>16.62</u>	<u>FT.</u>
VOLUME OF WATER IN WELL	<u>2.43</u>	<u>GAL.</u>
VOLUME OF WATER TO REMOVE	<u>9.75</u>	<u>GAL.</u>
VOLUME REMOVED	<u>11.25</u>	<u>GAL.</u>

RATE OF PURGE .75 gal./min.
METHOD OF PURGE Bladder Pump

PHYSICAL APPEARANCE/COMMENTS

-Water clear, became cloudy as sampling progressed

FIELD MEASUREMENTS

<u>TIME</u>	<u>pH</u>	<u>COND</u>	<u>TEMP</u>	<u>TURB</u>	<u>Eh</u>	<u>O₂</u>
10:35am	6.53	887	11°C	39 NTU	N/A	N/A

TYPES OF SAMPLES COLLECTED

- TCL Metals
- TCL Volatiles
- TCL Semi-Volatiles
- TCL Pesticides/PCB's
- Full TCL-pH, Specific Conductance, COD, TDS, TSS

LABORATORY NAME AND LOCATION

H2M Labs., Inc.
Melville, NY

N/A- Not Applicable

SYL00115004

WELL SAMPLING DATA FORM

CLIENT Gibbs & Hill
 PROJECT NO. 07710Y
 LOCATION Hicksville, NY

WELL NUMBER MW-8
 DATE 3/27/91
 WEATHER Cloudy and Mild, 50's
 SAMPLED BY K. Klotzer, E. Arnesen

TYPE OF WELL Monitoring
 STORAGE TANK -
 TIME OF START 10:10am
 TIME OF FINISH

DEPTH TO BOTTOM OF WELL	<u>67.95</u>	FT.
DEPTH TO WATER	<u>51.24</u>	FT.
WATER COLUMN	<u>16.71</u>	FT.
VOLUME OF WATER IN WELL	<u>2.45</u>	GAL.
VOLUME OF WATER TO REMOVE	<u>9.80</u>	GAL.
VOLUME REMOVED	<u>12.75</u>	GAL.

RATE OF PURGE .75 gal./min.
 METHOD OF PURGE Bladder Pump

PHYSICAL APPEARANCE/COMMENTS

-Water clear, became cloudy as sampling progressed

FIELD MEASUREMENTS

<u>TIME</u>	<u>pH</u>	<u>COND</u>	<u>TEMP</u>	<u>TURB</u>	<u>Eh</u>	<u>O₂</u>
10:10am	6.57	1204	17°C	49 NTU	N/A	N/A

TYPES OF SAMPLES COLLECTED

- TCL Metals
- TCL Volatiles
- TCL Semi-Volatiles
- TCL Pesticides/PCB's
- Full TCL-pH, Specific Conductance, COD, TDS, TSS

LABORATORY NAME AND LOCATION

H2M Labs., Inc.
 Melville, NY

N/A - Not Applicable

SYL00115005

APPENDIX C

APPENDIX C

Geologic Logs and Monitoring Well Construction Logs

SYL00115006

GEOLOGIC LOG

Study No. <u>07710Y</u> Date <u>2/28/91</u> Project <u>A.G.O. Associates</u> Client <u>Gibbs & Hill, Inc.</u> Page <u>1</u> of <u>2</u> Logged By <u>Eric Arnesen</u> Well No. <u>MW-1</u> Location <u>Hicksville, New York</u> M.P. Elevation <u>74.11 ft.</u> Drilling Started <u>2/28/91</u> Ended <u>3/1/91</u> Driller <u>Marine Pollution Control</u> Type of Rig <u>Hollow Stem Auger</u>		WELL DATA Hole Diam. (in.) <u>10</u> Final Depth (ft.) <u>60</u> Casing Diam. (in.) <u>2</u> Casing Length (ft.) <u>10</u> Screen Setting (ft.) <u>58.70</u> Screen Slot & Type <u>.010 PVC</u> Well Status <u>Monitoring</u>		G-W READINGS (1) Date <u>3/11/91</u> DTW MP (2) <u>48.90'</u> Elev. W.S. <u></u> Date <u>3/11/91</u> DTW MP (2) <u>48.81'</u> Elev. W.S. <u></u>	
		SAMPLER Type <u>Split Spoon</u> Hammer <u>140</u> lb. Fall <u>30</u> in.		DEVELOPMENT Used Waterra pump for 20 minutes at 5 gpm removed ~100 gallons 49 NTU	

PID (ppm)	SAMPLE				Strata Change & Gen. Desc.	Depth (ft)	SAMPLE DESCRIPTION
	No.	Rec.	Depth	Blows 6			
0	1		0-5 from cuttings		FILL	0	Fill material and asphalt.
0	2	1.0	5-7	4, 6, 8, 14		5	All dark brown medium SAND, gravel and fill.
0	3	0.3	10-12	10, 10, 15, 22	SAND	10	All orange medium coarse SAND and fill.
0	4	0.8	15-17	Not Recorded		15	All orange medium coarse SAND and fill.
0	5	1.3	20-22	2, 4, 4, 14		20	All coarse to medium SAND with gravel.
0	6	1.4	25-27	4, 10, 21, 27		25	All coarse orange SAND trace gravel.
0	7	1.0	30-32	4, 10, 12, 22		30	Top 0.6': coarse orange SAND and gravel. Middle 0.2': Medium orange SAND. Bottom 0.2': Coarse orange SAND and gravel.
0	8	1.0	35-37	4, 6, 14, 21		35	All orange coarse SAND and gravel.

REMARKS (1) in feet relative to a common datum
(2) from top of PVC casing

SYL00115007

GEOLOGIC LOG

Study No. <u>07710Y</u> Date <u>2/28/91</u>		WELL DATA		G-W READINGS (1)	
Project <u>A.G.O. Associates</u>		Hole Diam. (in.) <u>10</u>	Date	DTW MP (2)	Elev. W.
Client <u>Gibbs & Hill, Inc.</u>		Final Depth (ft.) <u>60</u>	3/11/91	48.90'	
Page <u>2</u> of <u>2</u>		Casing Diam. (in.) <u>2</u>	3/11/91	48.81'	
Logged By <u>Eric Arnesen</u>		Casing Length (ft.) <u>10</u>			
Well No. <u>MW-1</u>		Screen Setting (ft.) <u>58.70</u>			
Location <u>Hicksville, New York</u>		Screen Slot & Type <u>.010 PVC</u>			
M.P. Elevation <u>74.11 ft.</u>		Well Status <u>Monitoring</u>			
Drilling Started <u>2/28/91</u> Ended <u>3/1/91</u>		SAMPLER		DEVELOPMENT	
Driller <u>Marine Pollution Control</u>		Type <u>Split Spoon</u>	Used Waterra pump for 20 minutes at 5		
Type of Rig <u>Hollow Stem Auger</u>		Hammer <u>140</u> lb.	gpm removed ~100 gallons 49 NTU		
		Fall <u>30</u> in.			

PID (ppm)	SAMPLE				Strata Change & Gen. Desc.	Depth (ft)	SAMPLE DESCRIPTION
	No.	Rec.	Depth	Blows 6			
0	9	1.3	40-42	4, 7, 12, 20		40	All orange coarse SAND and gravel.
0	10	1.0	45-47	4, 9, 14, 21		45	All orange medium SAND.
0	11	1.0	50-52	4, 4, 14, 20		50	All orange medium SAND, tan and damp.
0	12	1.4	55-57	Not Recorded		55	All brown coarse SAND with gravel in the tip; Wet. Water table ~51.5.
						60	
						65	
						70	
						75	

REMARKS (1) in feet relative to a common datum
(2) from top of PVC casing

SYL00115008

GEOLOGIC LOG

Study No. <u>07710Y</u> Date <u>2/25/91</u>		WELL DATA		G-W READINGS (1)	
Project <u>A.G.O. Associates</u>		Hole Diam. (in.) <u>10</u>	Date	DTW MP (2)	Elev. W.S.
Client <u>Gibbs & Hill, Inc.</u>		Final Depth (ft.) <u>70</u>	3/11/91	60.41	
Page <u>1</u> of <u>2</u>		Casing Diam. (in.) <u>2</u>	3/11/91	60.23	
Logged By <u>Eric Arnesen</u>		Casing Length (ft.) <u>10</u>			
Well No. <u>MW-2</u>		Screen Setting (ft.) <u>66.25</u>			
Location <u>Hicksville, New York</u>		Screen Slot & Type <u>.010 PVC</u>			
M.P. Elevation <u>82.84 ft.</u>		Well Status <u>Monitoring</u>			
Drilling Started <u>02/25/91</u> Ended <u>02/25/91</u>		SAMPLER		DEVELOPMENT	
Driller <u>Marine Pollution Control</u>		Type <u>Split Spoon</u>	Waterra pump for 32 minutes at 5		
Type of Rig <u>Hollow Stem Auger</u>		Hammer <u>140</u> lb.	gal/min ~160 gallons removed 50 NTU		
		Fall <u>30</u> in.			

PID (ppm)	SAMPLE				Strata Change & Gen. Desc.	Depth (ft)	SAMPLE DESCRIPTION
	No.	Rec.	Depth	Blows 6			
0	1		0-2	cuttings	FILL	0	Fill type material.
0	2	0.9	5-7	45 total	SAND	5	All brown coarse SAND and gravel with cobbles.
0	3	0.8	10-12	8, 20, 3, 3		10	All brown coarse SAND and gravel with cobbles.
0	4	0.9	15-17	10, 7, 10, 26		15	Brown and orange coarse SAND and gravel with cobbles.
0	5	1.0	20-22	6, 10, 9, 9		20	Brown and orange coarse SAND and gravel with cobbles.
0	6	1.0	25-27	4, 12, 9, 3		25	Brown and orange coarse SAND and gravel with cobbles.
0	7	1.0	30-32	9, 16, 10, 10		30	Brown and orange coarse SAND and gravel with cobbles.
0	8	1.0	35-37	9, 8, 8, 5		35	Brown and orange coarse SAND and gravel with cobbles.

REMARKS (1) in feet relative to a common datum
(2) from top of PVC casing

SYL00115009

GEOLOGIC LOG

Study No. <u>07710Y</u> Date <u>2/25/91</u>		WELL DATA		G-W READINGS (1)	
Project <u>A.G.O. Associates</u>		Hole Diam. (in.) <u>10</u>	Date	DTW MP (2)	Elev. W
Client <u>Gibbs & Hill, Inc.</u>		Final Depth (ft.) <u>70</u>	3/11/91	60.41	
Page <u>2</u> of <u>2</u>		Casing Diam. (in.) <u>2</u>	3/11/91	60.23	
Logged By <u>Eric Arnesen</u>		Casing Length (ft.) <u>10</u>			
Well No. <u>MW-2</u>		Screen Setting (ft.) <u>68.49</u>			
Location <u>Hicksville, New York</u>		Screen Slot & Type <u>.010 PVC</u>			
M.P. Elevation <u>82.84 ft.</u>		Well Status <u>Monitoring</u>			
Drilling Started <u>02/25/91</u> Ended <u>02/25/91</u>		SAMPLER		DEVELOPMENT	
Driller <u>Marine Pollution Control</u>		Type <u>Split Spoon</u>	Waterra pump for 32 minutes at 5		
Type of Rig <u>Hollow Stem Auger</u>		Hammer <u>140</u> lb.	gal/min ~160 gallons removed 50 NTU		
		Fall <u>30</u> in.			

PID (ppm)	SAMPLE				Strata Change & Gen. Desc.	Depth (ft)	SAMPLE DESCRIPTION
	No.	Rec.	Depth	Blows 6			
0	9	1.2	40-42	5, 11, 12, 5		40	Brown and orange coarse SAND and gravel with cobbles.
0	10	0.7	45-47	9, 24, 16, 7		45	All brown coarse SAND with gravel.
0	11	1.3	50-52	7, 7, 25, 33		50	All tan medium SAND trace gravel.
0	12	1.4	55-57	5, 4, 30, 25		55	Top 0.3': Coarse SAND trace gravel. 0.6': Very coarse orange SAND and gravel. Bottom 0.7': Medium tan SAND DTW ~58'.
0	13	1.3	60-62	11, 23, 13, 10		60	Top 0.7': Medium brown SAND. Bottom 0.6': Coarse SAND and gravel, wet.
0	14	1.3	65-67	3, 6, 6, 11		65	Top 0.4': Coarse brown SAND and gravel. Bottom 0.9': Brown medium SAND trace gravel, wet.
						70	
						75	

REMARKS (1) in feet relative to a common datum
(2) from top of PVC casing

SYL00115010

GEOLOGIC LOG

Study No. <u>07710Y</u> Date <u>2/27/91</u>		WELL DATA		G-W READINGS (1)	
Project <u>A.G.O. Associates</u>		Hole Diam. (in.) <u>10</u>		Date	DTW MP (2) Elev. W.S.
Client <u>Gibbs & Hill, Inc.</u>		Final Depth (ft.) <u>70</u>		3/11/91	60.09'
Page <u>1</u> of <u>2</u>		Casing Diam. (in.) <u>2</u>		3/11/91	59.08'
Logged By <u>Eric Arnesen</u>		Casing Length (ft.) <u>10</u>			
Well No. <u>MW-3</u>		Screen Setting (ft.) <u>67.49</u>			
Location <u>Hicksville, New York</u>		Screen Slot & Type <u>.010 PVC</u>			
M.P. Elevation <u>82.83</u>		Well Status <u>Monitoring</u>			
Drilling Started <u>02/27/91</u> Ended <u>02/27/91</u>		SAMPLER		DEVELOPMENT	
Driller <u>Marine Pollution Control</u>		Type <u>Split Spoon</u>		Waterra pump for 30 minutes at 5 GPM,	
Type of Rig <u>Hollow Stem Auger</u>		Hammer <u>140</u> lb.		removed 150 gallons 45 NTU.	
		Fall <u>30</u> in.			

PID (ppm)	SAMPLE				Strata Change & Gen. Desc.	Depth (ft)	SAMPLE DESCRIPTION
	No.	Rec.	Depth	Blows 6			
0	1		cutting first 5 feet		FILL	0	Fill material.
0	2	1.0	5-7	9, 10, 15, 18	SAND and GRAVEL	5	All coarse brown SAND and gravel, fill material.
0	3	0.4	10-12	3, 4, 7, 10		10	All coarse white SAND and gravel.
0	4	0.5	15-17	8, 9, 12, 24		15	All coarse white SAND and gravel with large cobbles.
0	5	0.9	20-22	4, 8, 16, 30		20	Tan coarse SAND with gravel.
0	6	1.1	25-27	3, 6, 11, 19		25	All brown coarse SAND with gravel.
0	7	NR	30-32	Not Recorded		30	No recovery.
0	8	1.0	35-37	Not Recorded		35	All orange coarse SAND and gravel.

REMARKS (1) in feet relative to a common datum
(2) from top of PVC casing

SYL00115011

GEOLOGIC LOG

Study No. <u>07710Y</u> Date <u>2/27/91</u> Project <u>A.G.O. Associates</u> Client <u>Gibbs & Hill, Inc.</u> Page <u>2</u> of <u>2</u> Logged By <u>Eric Arnesen</u> Well No. <u>MW-3</u> Location <u>Hicksville, New York</u> M.P. Elevation <u>82.83 ft.</u> Drilling Started <u>02/27/91</u> Ended <u>02/27/91</u> Driller <u>Marine Pollution Control</u> Type of Rig <u>Hollow Stem Auger</u>		WELL DATA Hole Diam. (in.) <u>10</u> Final Depth (ft.) <u>70</u> Casing Diam. (in.) <u>2</u> Casing Length (ft.) <u>10</u> Screen Setting (ft.) <u>67.49</u> Screen Slot & Type <u>.010 PVC</u> Well Status <u>Monitoring</u>		G-W READINGS (1) <table border="1"> <tr> <th>Date</th> <th>DTW MP (2)</th> <th>Elev. W.</th> </tr> <tr> <td>3/11/91</td> <td>60.09'</td> <td></td> </tr> <tr> <td>3/11/91</td> <td>59.08'</td> <td></td> </tr> </table>		Date	DTW MP (2)	Elev. W.	3/11/91	60.09'		3/11/91	59.08'	
Date	DTW MP (2)	Elev. W.												
3/11/91	60.09'													
3/11/91	59.08'													
SAMPLER Type <u>Split Spoon</u> Hammer <u>140</u> lb. Fall <u>30</u> in.		DEVELOPMENT Waterra pump for 30 minutes at 5 GPM, removed 150 gallons 45 NTU.												

PID (ppm)	SAMPLE				Strata Change & Gen. Desc.	Depth (ft)	SAMPLE DESCRIPTION
	No.	Rec.	Depth	Blows 6			
0		0.8	40-42	7, 7, 12, 19		40	All orange coarse SAND and gravel.
0	10	NR	45-47	7, 9, 12, 20		45	No recovery.
0	11	0.7	50-52	7, 9, 12, 20		50	All orange coarse SAND and gravel.
0	12	1.3	55-57	4, 9, 20, 24	SAND	55	Top 0.2': All orange coarse SAND and gravel. Bottom 1.1': White to tan medium SAND.
0	13	1.3	60-62	Not Recorded		60	Top 0.5': Grey to brown medium SAND. Middle 0.3': Grey to brown medium SAND, trace cobbles. Bottom 0.5': Coarse tan SAND trace gravel.
0	14		65-67	3, 3, 5, 5		65	All greyish medium SAND trace gravel, wet. 58.50 DTW.
0	15	1.3	70-72	Not Recorded	SAND and GRAVEL	70	All coarse orange SAND and gravel.
						75	

REMARKS (1) in feet relative to a common datum
(2) from top of PVC casing

SYL00115012

GEOLOGIC LOG

Study No. <u>07710Y</u> Date _____		<u>WELL DATA</u>		<u>G-W READINGS (1)</u>	
Project <u>A.G.O. Associates</u>		Hole Diam. (in.) <u>10</u>	Date	DTW MP (2)	Elev. W.S
Client <u>Gibbs & Hill, Inc.</u>		Final Depth (ft.) <u>60</u>	3/11/91	50.76'	
Page <u>1</u> of <u>2</u>		Casing Diam. (in.) <u>2</u>	3/11/91	50.73'	
Logged By <u>Eric Arnesen</u>		Casing Length (ft.) <u>10</u>			
Well No. <u>MW-4</u>		Screen Setting (ft.) <u>59.45</u>			
Location <u>Hicksville, New York</u>		Screen Slot & Type <u>.010 PVC</u>			
M.P. Elevation <u>73.66 ft.</u>		Well Status <u>Monitoring</u>			
Drilling Started <u>3/5/91</u> Ended <u>3/5/91</u>		<u>SAMPLER</u>	<u>DEVELOPMENT</u>		
Driller <u>Marine Pollution Control</u>		Type <u>Split Spoon</u>	Waterra pump for 60 minutes at 5 gpm		
Type of Rig <u>Hollow Stem Auger</u>		Hammer <u>140</u> lb.	~300 gallons removed 41 NTU's.		
		Fall <u>30</u> in.			

PID (ppm)	SAMPLE				Strata Change & Gen. Desc.	Depth (ft)	SAMPLE DESCRIPTION
	No.	Rec.	Depth	Blows 6			
0	1		0-2	cuttings	FILL	0	Surface material and organic matter.
0	2	0.8	5-7	4, 6, 13, 21	SAND and GRAVEL	5	All coarse tan SAND with gravel, very loose, non-plastic.
0	3	1.0	10-12	6, 14, 12, 17		10	Top 0.2': All gravel Bottom 0.8': Coarse tan SAND trace gravel all loose, non-plastic.
0	4	1.2	15-17	4, 10, 11, 15		15	All brown coarse SAND and gravel, non-plastic, loose.
0	5	0.4	20-22	6, 10, 13, 14		20	All orangish coarse SAND, trace gravel, loose, non-plastic.
0	6	1.0	25-27	4, 10, 13, 32		25	All coarse orange SAND trace gravel, loose, non-plastic.
0	7	NR	30-32	4, 10, 15, 19		30	Large cobble in end.
0	8	1.4	35-37	3, 5, 12, 12		35	All coarse brown SAND with trace gravel.

REMARKS (1) in feet relative to a common datum
(2) from top of PVC casing

SYL00115013

GEOLOGIC LOG

Study No. <u>07710Y</u> Date _____		WELL DATA		G-W READINGS (1)	
Project <u>A.G.O. Associates</u>		Hole Diam. (in.) <u>10</u>	Date	DTW MP (2)	Elev. W
Client <u>Gibbs & Hill, Inc.</u>		Final Depth (ft.) <u>60</u>	3/11/91	50.76'	
Page <u>2</u> of <u>2</u>		Casing Diam. (in.) <u>2</u>	3/11/91	50.73'	
Logged By <u>Eric Arnesen</u>		Casing Length (ft.) <u>10</u>			
Well No. <u>MW-4</u>		Screen Setting (ft.) <u>59.45</u>			
Location <u>Hicksville, New York</u>		Screen Slot & Type <u>.010 PVC</u>			
M.P. Elevation <u>73.66 ft.</u>		Well Status <u>Monitoring</u>			
Drilling Started <u>3/5/91</u> Ended <u>3/5/91</u>		SAMPLER		DEVELOPMENT	
Driller <u>Marine Pollution Control</u>		Type <u>Split Spoon</u>	Waterra pump for 60 minutes at 5 gpm		
Type of Rig <u>Hollow Stem Auger</u>		Hammer <u>140</u> lb.	300 gallons removed 41 NTU's.		
		Fall <u>30</u> in.			

PID (ppm)	SAMPLE				Strata Change & Gen. Desc.	Depth (ft)	SAMPLE DESCRIPTION
	No.	Rec.	Depth	Blows 6			
0	9	1.7	40-42	3, 6, 11, 18		40	All white and orange coarse SAND and trace gravel.
0	10	1.7	45-47	3, 6, 11, 21		45	Top 0.6': Coarse tan SAND trace gravel. Bottom 1.1': Fine tan SAND.
0	11	1.0	50-52	4, 8, 11, 15		50	Top 0.4': Coarse orange SAND and gravel. Middle 0.2': Medium brown SAND. Bottom 0.4': Tan to white coarse SAND and gravel, wet at 52.5'.
0	12	1.8	55-57	Not Recorded		55	All coarse brown SAND and gravel, wet.
						60	
						65	
						70	
						75	

REMARKS (1) in feet relative to a common datum
(2) from top of PVC casing

SYL00115014

GEOLOGIC LOG

Study No. <u>07710Y</u> Date _____		WELL DATA		G-W READINGS (1)	
Project <u>A.G.O. Associates</u>		Hole Diam. (in.) <u>10</u>	Date	DTW MP (2)	Elev. W.S.
Client <u>Gibbs & Hill, Inc.</u>		Final Depth (ft.) <u>65</u>	3/11/91	54.50	
Page <u>1</u> of <u>2</u>		Casing Diam. (in.) <u>2</u>	3/11/91	54.58	
Logged By <u>Eric Arnesen</u>		Casing Length (ft.) <u>10</u>			
Well No. <u>MW-5</u>		Screen Setting (ft.) <u>59.82</u>			
Location <u>Hicksville, New York</u>		Screen Slot & Type <u>.010 PVC</u>			
M.P. Elevation <u>76.58 ft.</u>		Well Status <u>Monitoring</u>			
Drilling Started <u>3/6/91</u> Ended <u>3/6/91</u>		SAMPLER		DEVELOPMENT	
Driller <u>Marine Pollution Control</u>		Type <u>Split Spoon</u>	Waterra pump for 40 minutes at 5 gpm		
Type of Rig <u>Hollow Stem Auger</u>		Hammer <u>140</u> lb.	~200 gallons removed 20 NTU's		
		Fall <u>30</u> in.			

PID (ppm)	SAMPLE				Strata Change & Gen. Desc.	Depth (ft)	SAMPLE DESCRIPTION
	No.	Rec.	Depth	Blows 6			
0	1		0-2	cuttings		0	FILL
0	2	0.8	5-7	12, 12, 12, 12	SAND and GRAVEL	5	All tan coarse SAND with gravel.
0	3	NR	10-12	5, 9, 11, 15		10	Pushing an obstruction.
0	4	0.8	15-17	5, 14, 11, 12		15	White to brown coarse SAND trace gravel.
0	5	1.3	20-22	4, 8, 10, 14		20	All tan and orange coarse SAND and gravel.
0	6	1.0	25-27	5, 10, 13, 15		25	Top 0.7': Tan coarse SAND. Bottom 0.3': Orange coarse SAND trace gravel.
0	7	1.0	30-32	5, 10, 10, 15		30	All brown and tan coarse SAND, gravel and cobbles.
0	8	1.4	35-37	4, 7, 13, 20		35	All brown and orange coarse SAND and cobbles.

SYL00115015

GEOLOGIC LOG

Study No. <u>07710Y</u> Date _____		WELL DATA		G-W READINGS (1)	
Project <u>A.G.O. Associates</u>		Hole Diam. (in.) <u>10</u>	Date	DTW MP (2)	Elev. W
Client <u>Gibbs & Hill, Inc.</u>		Final Depth (ft.) <u>65</u>	3/11/91	54.50	
Page <u>2</u> of <u>2</u>		Casing Diam. (in.) <u>2</u>	3/11/91	54.58	
Logged By <u>Eric Arnesen</u>		Casing Length (ft.) <u>10</u>			
Well No. <u>MW-5</u>		Screen Setting (ft.) <u>59.82</u>			
Location <u>Hicksville, New York</u>		Screen Slot & Type <u>.010 PVC</u>			
M.P. Elevation <u>76.58 ft.</u>		Well Status <u>Monitoring</u>			
Drilling Started <u>3/6/91</u> Ended <u>3/6/91</u>		SAMPLER		DEVELOPMENT	
Driller <u>Marine Pollution Control</u>		Type <u>Split Spoon</u>	Waterra pump for 40 minutes at 5 gpm		
Type of Rig <u>Hollow Stem Auger</u>		Hammer <u>140</u> lb.	~200 gallons removed 20 NTU's		
		Fall <u>30</u> in.			

PID (ppm)	SAMPLE				Strata Change & Gen. Desc.	Depth (ft)	SAMPLE DESCRIPTION
	No.	Rec.	Depth	Blows 6			
0	9	1.7	40-42	4, 8, 11, 14		40	Top 0.8': Brown and orange medium SAND trace gravel. Bottom 0.8': Tan to white medium SAND.
0	10	1.7	45-47	5, 6, 8, 12		45	All brown to white medium SAND trace gravel.
0	11	1.0	50-52	4, 6, 8, 11		50	Top 1.0': Tan to white medium SAND trace gravel. Bottom 0.6': Coarse SAND and gravel, tan tip slightly wet. Water table at 52'.
0	12	1.8	55-57	Not Recorded		55	all brown coarse SAND trace gravel; Wet.
						60	
						65	
						70	
						75	

REMARKS (1) in feet relative to a common datum
(2) from top of PVC casing

SYL00115016

GEOLOGIC LOG

Study No. <u>07710Y</u> Date <u>2/20/21/91</u>		WELL DATA		G-W READINGS (1)		
Project <u>A.G.O. Associates</u>		Hole Diam. (in.) <u>10</u>		Date	DTW MP (2)	Elev. W.S.
Client <u>Gibbs & Hill, Inc.</u>		Final Depth (ft.) <u>65.00</u>		3/11/91	53.77	
Page <u>1</u> of <u>2</u>		Casing Diam. (in.) <u>2</u>		3/11/91	54.08	
Logged By <u>Eric Arnesen</u>		Casing Length (ft.) <u>10</u>				
Well No. <u>MW-6</u>		Screen Setting (ft.) <u>62.55</u>				
Location <u>Hicksville, New York</u>		Screen Slot & Type <u>.010 PVC</u>				
M.P. Elevation <u>77.33 ft.</u>		Well Status <u>Monitoring</u>				
Drilling Started <u>02/20/91</u> Ended <u>02/21/91</u>		SAMPLER		DEVELOPMENT		
Driller <u>Marine Pollution Control</u>		Type <u>Split Spoon</u>		Waterra pump for 30 minutes at 5		
Type of Rig <u>Hollow Stem Auger</u>		Hammer <u>140</u> lb.		gallons per minute, 150 gallons removed		
		Fall <u>30</u> in.		45 NTU.		

PID (ppm)	SAMPLE				Strata Change & Gen. Desc.	Depth (ft)	SAMPLE DESCRIPTION
	No.	Rec.	Depth	Blows 6			
0	1		0-2	Hand dug	SANDY CLAY	0	Brown medium sandy CLAY and gravel, organic material.
0	2	0.3	5-7	1, 4, 9, 11		5	Brown medium sandy CLAY and gravel, organic material.
0	3	0.3	10-12	7, 6, 5, 6		10	Brown sandy CLAY and gravel, some brick.
0	4	1.5	15-17	1, 10, 27, 50	SAND	15	Top 0.3': Brown sandy CLAY and SHALE 0.35': Black coarse SAND and gravel with medium SAND. Bottom 0.55': Fine tan SAND and medium brown SAND and gravel and cobbles.
0	5	1.3	20-22	8, 10, 32, 27		20	Top 0.35': Cobbles with brown coarse SAND and gravel. Bottom 0.95': All orange brown coarse SAND and gravel.
0	6	1.2	25-27	1 for 12"-8-20		25	All light brown coarse SAND and gravel.
0	7	1.0	30-32	6, 16, 17, 8		30	Top 0.6': All light brown coarse SAND and gravel. Bottom 0.4': Coarse light brown SAND trace gravel.
0	8	1.1	35-37	7, 10, 10, 20		35	Top 0.2': Light brown coarse SAND and gravel. 0.15': Red gravel 0.4': Medium white SAND. Bottom 0.31': Coarse light brown SAND and gravel.

SYL00115017

GEOLOGIC LOG

Study No. <u>07710Y</u> Date <u>2/20/21/91</u>		WELL DATA		G-W READINGS (1)	
Project <u>A.G.O. Associates</u>		Hole Diam. (in.) <u>10</u>		Date	DTW MP (2) Elev. W.
Client <u>Gibbs & Hill, Inc.</u>		Final Depth (ft.) <u>65.00</u>		3/11/91	53.77
Page <u>2</u> of <u>2</u>		Casing Diam. (in.) <u>2</u>		3/11/91	54.08
Logged By <u>Eric Arnesen</u>		Casing Length (ft.) <u>10</u>			
Well No. <u>MW-6</u>		Screen Setting (ft.) <u>62.55</u>			
Location <u>Hicksville, New York</u>		Screen Slot & Type <u>.010 PVC</u>			
M.P. Elevation <u>77.33 ft.</u>		Well Status <u>Monitoring</u>			
Drilling Started <u>02/20/91</u> Ended <u>02/21/91</u>		SAMPLER		DEVELOPMENT	
Driller <u>Marine Pollution Control</u>		Type <u>Split Spoon</u>		Waterra pump for 30 minutes at 5	
Type of Rig <u>Hollow Stem Auger</u>		Hammer <u>140</u> lb.		gallons per minute, 150 gallons removed	
		Fall <u>30</u> in.		45 NTU.	

PID (ppm)	SAMPLE				Strata Change & Gen. Desc.	Depth (ft)	SAMPLE DESCRIPTION
	No.	Rec.	Depth	Blows 6			
0	9	1.2	40-42	12, 10, 14, 8		40	Top 0.5': Coarse orange SAND and gravel. Bottom 0.7': White and orange medium SAND.
0	10	1.4	45-47	6, 3, 3, 4		45	All light brown medium SAND.
0	11	0.9	50-52	8, 18, 20, 13		50	All white to light brown medium SAND with trace cobbles.
0	12	1.5	55-57	6, 6, 7, 12		55	Top 0.8': Coarse brown SAND. Bottom 0.7': Medium brown SAND, wet. Water table at 55 feet.
0	13	1.7	60-62	5, 6, 8, 9		60	Top 1.3': Medium to coarse brown SAND trace gravel. Bottom 0.4': Coarse orange and brown SAND and gravel, wet.
						65	
						70	
						75	

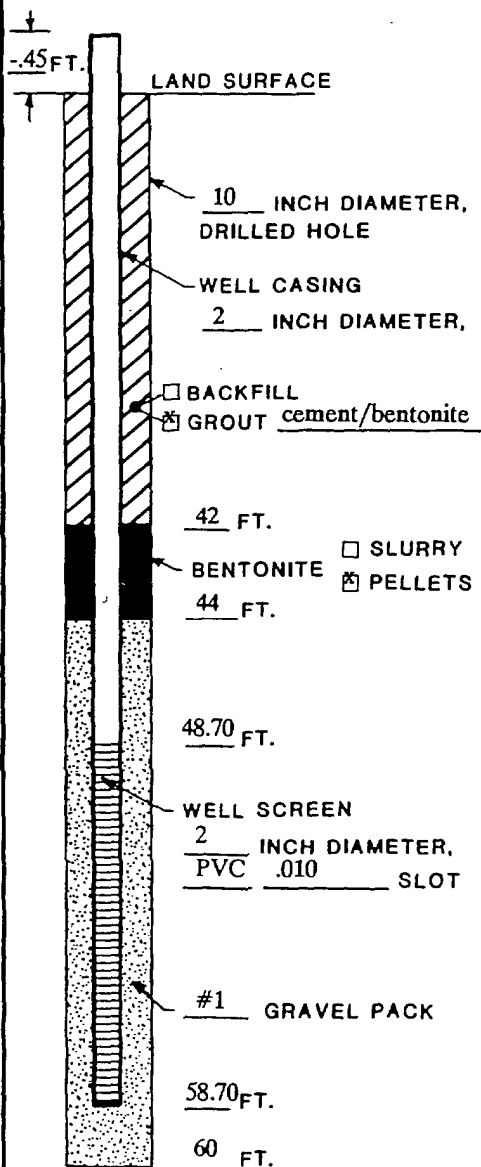
REMARKS (1) in feet relative to a common datum
(2) from top of PVC casing

SYL00115018



Consulting Ground-Water Geologists
ROUX ASSOCIATES INC

MONITORING WELL CONSTRUCTION LOG



NOTE:

ALL DEPTHS IN FEET
BELOW LAND SURFACE

PROJECT NAME A.G.O. Associates NUMBER 07710Y

WELL NO. MW-1 PERMIT NO. _____

TOWN/CITY Hicksville

COUNTY Nassau STATE New York

LAND-SURFACE ELEVATION

AND DATUM 74.56 FEET

☒ SURVEYED

Arbitrary

☐ ESTIMATED

INSTALLATION DATE(S) 02/28/91, 03/01/91

DRILLING METHOD Hollow Stem Auger

DRILLING CONTRACTOR Marine Pollution Control

DRILLING FLUID None

DEVELOPMENT TECHNIQUE(S) AND DATE(S)

Waterra Pump 3/11/91

FLUID LOSS DURING DRILLING N/A GALLONS

WATER REMOVED DURING DEVELOPMENT 100 GALLONS

STATIC DEPTH TO WATER 48.90 FEET BELOW M.P.

PUMPING DEPTH TO WATER N/A FEET BELOW M.P.

PUMPING DURATION .33 HOURS

YIELD N/D GPM 5 DATE 03/11/91

SPECIFIC CAPACITY N/D GPM/FT.

WELL PURPOSE Monitoring

REMARKS N/D - Not Determined. N/A - Not Applicable.

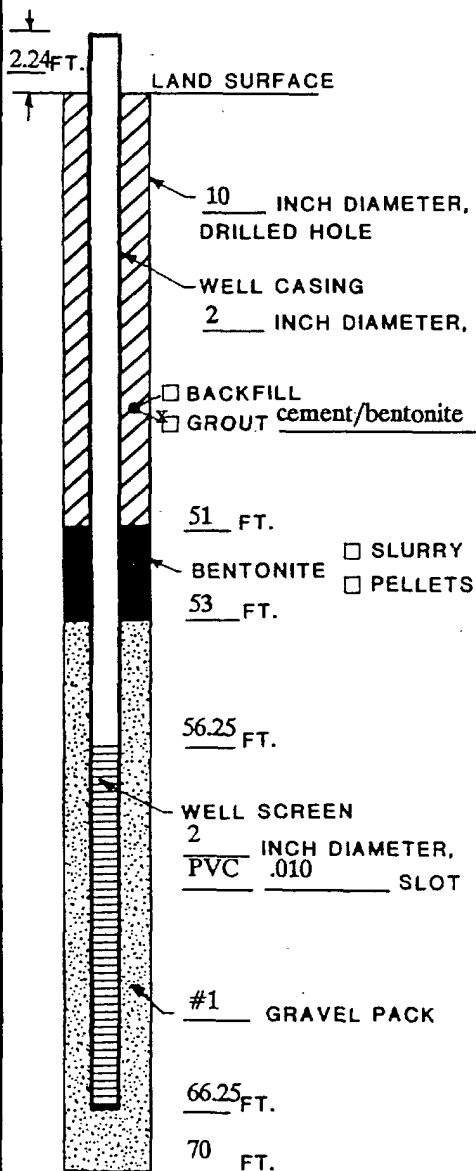
SYL00115019

HYDROGEOLOGIST Eric Arnesen



Consulting Ground-Water Geologists
ROUX ASSOCIATES INC

MONITORING WELL CONSTRUCTION LOG



NOTE:
ALL DEPTHS IN FEET
BELOW LAND SURFACE

PROJECT NAME A.G.O. Associates NUMBER 07710Y

WELL NO. MW-2 PERMIT NO. _____

TOWN/CITY Hicksville

COUNTY Nassau STATE New York

LAND-SURFACE ELEVATION

AND DATUM 80.6 FEET

Arbitrary

☒ SURVEYED

☐ ESTIMATED

INSTALLATION DATE(S) 02/25/91, 02/26/91

DRILLING METHOD Hollow Stem Auger

DRILLING CONTRACTOR Marine Pollution Control

DRILLING FLUID None

DEVELOPMENT TECHNIQUE(S) AND DATE(S)

Waterra Pump 3/11/91

FLUID LOSS DURING DRILLING N/A GALLONS

WATER REMOVED DURING DEVELOPMENT 160 GALLONS

STATIC DEPTH TO WATER 60.41 FEET BELOW M.P.

PUMPING DEPTH TO WATER N/D FEET BELOW M.P.

PUMPING DURATION 5 HOURS

YIELD N/D GPM 5 DATE _____

SPECIFIC CAPACITY N/D GPM/FT.

WELL PURPOSE Monitoring

REMARKS N/D - Not Determined. N/A - Not Applicable

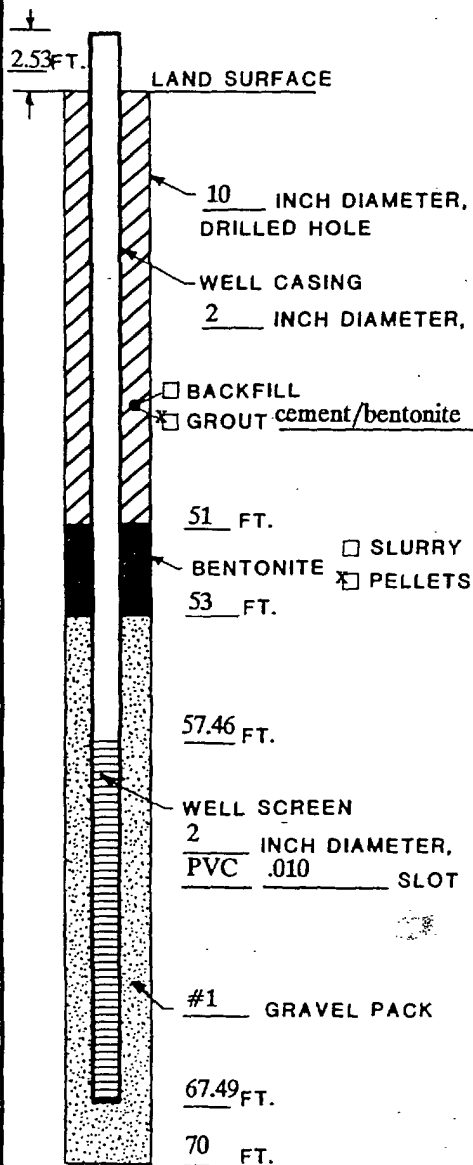
SYL00115020

HYDROGEOLOGIST Eric Arnesen



Consulting Ground-Water Geologists
ROUX ASSOCIATES INC

MONITORING WELL CONSTRUCTION LOG



NOTE:

ALL DEPTHS IN FEET
BELOW LAND SURFACE

PROJECT NAME A.G.O. Associates NUMBER 07710Y

WELL NO. MW-3 PERMIT NO. _____

TOWN/CITY Hicksville

COUNTY Nassau STATE New York

LAND-SURFACE ELEVATION

AND DATUM 80.30 FEET

Arbitrary

☒ SURVEYED

☐ ESTIMATED

INSTALLATION DATE(S) 02/27/91, 02/28/91

DRILLING METHOD Hollow Stem Auger

DRILLING CONTRACTOR Marine Pollution Control

DRILLING FLUID None

DEVELOPMENT TECHNIQUE(S) AND DATE(S)

Waterra Pump 3/11/91

FLUID LOSS DURING DRILLING N/A GALLONS

WATER REMOVED DURING DEVELOPMENT 150 GALLONS

STATIC DEPTH TO WATER 60.09 FEET BELOW M.P.

PUMPING DEPTH TO WATER N/A FEET BELOW M.P.

PUMPING DURATION 5 HOURS

YIELD N/D GPM 5 DATE 03/11/91

SPECIFIC CAPACITY N/D GPM/FT.

WELL PURPOSE Monitoring

REMARKS N/D - Not Determined. N/A - Not Applicable.

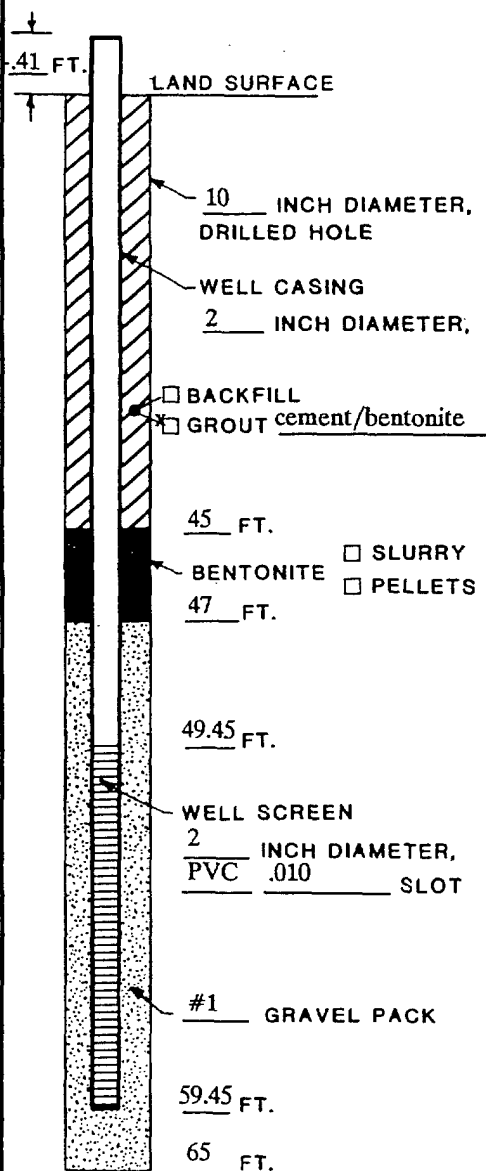
SYL00115021

HYDROGEOLOGIST Eric Arnesen



Consulting Ground-Water Geologists
ROUX ASSOCIATES INC

MONITORING WELL CONSTRUCTION LOG



NOTE:

ALL DEPTHS IN FEET
BELOW LAND SURFACE

PROJECT NAME A.G.O. Associates NUMBER 07710Y
WELL NO. MW-4 PERMIT NO. _____
TOWN/CITY Hicksville
COUNTY Nassau STATE New York
LAND-SURFACE ELEVATION
AND DATUM 74.07 FEET ☒ SURVEYED
Arbitrary _____ ☐ ESTIMATED
INSTALLATION DATE(S) 03/05/91
DRILLING METHOD Hollow Stem Auger
DRILLING CONTRACTOR Marine Pollution Control
DRILLING FLUID None
DEVELOPMENT TECHNIQUE(S) AND DATE(S)
Waterra Pump 3/11/91
FLUID LOSS DURING DRILLING N/A GALLONS
WATER REMOVED DURING DEVELOPMENT 300 GALLONS
STATIC DEPTH TO WATER 50.76 FEET BELOW M.P.
PUMPING DEPTH TO WATER N/D FEET BELOW M.P.
PUMPING DURATION 1 HOURS
YIELD N/D GPM 5 DATE 03/11/91
SPECIFIC CAPACITY _____ GPM/FT.
WELL PURPOSE Monitoring

REMARKS N/D - Not Determined. N/A - Not Applicable.

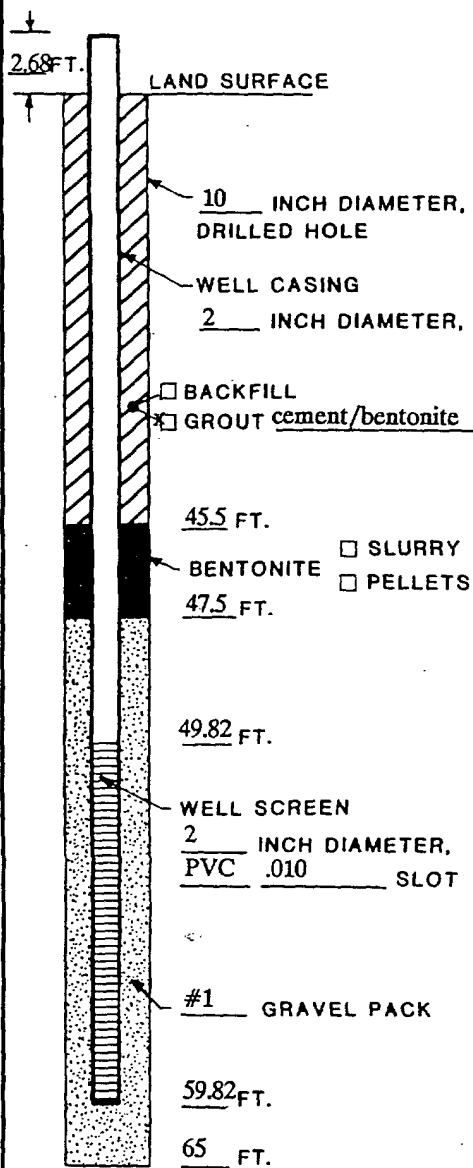
SYL00115022

HYDROGEOLOGIST Eric Arnesen



Consulting Ground-Water Geologists
ROUX ASSOCIATES INC

MONITORING WELL CONSTRUCTION LOG



NOTE:

ALL DEPTHS IN FEET
BELOW LAND SURFACE

PROJECT NAME A.G.O. Associates NUMBER 07710Y

WELL NO. MW-5 PERMIT NO. _____

TOWN/CITY Hicksville

COUNTY Nassau STATE New York

LAND-SURFACE ELEVATION

AND DATUM 73.9 FEET

Arbitrary

☒ SURVEYED

☐ ESTIMATED

INSTALLATION DATE(S) 03/05/91

DRILLING METHOD Hollow Stem Auger

DRILLING CONTRACTOR Marine Pollution Control

DRILLING FLUID None

DEVELOPMENT TECHNIQUE(S) AND DATE(S)

Waterra Pump 3/11/91

FLUID LOSS DURING DRILLING N/A GALLONS

WATER REMOVED DURING DEVELOPMENT 200 GALLONS

STATIC DEPTH TO WATER 54.50 FEET BELOW M.P.

PUMPING DEPTH TO WATER N/D FEET BELOW M.P.

PUMPING DURATION .66 HOURS

YIELD N/D GPM 5 DATE 03/11/91

SPECIFIC CAPACITY N/D GPM/FT.

WELL PURPOSE Monitoring

REMARKS N/D - Not Determined. N/A - Not Applicable.

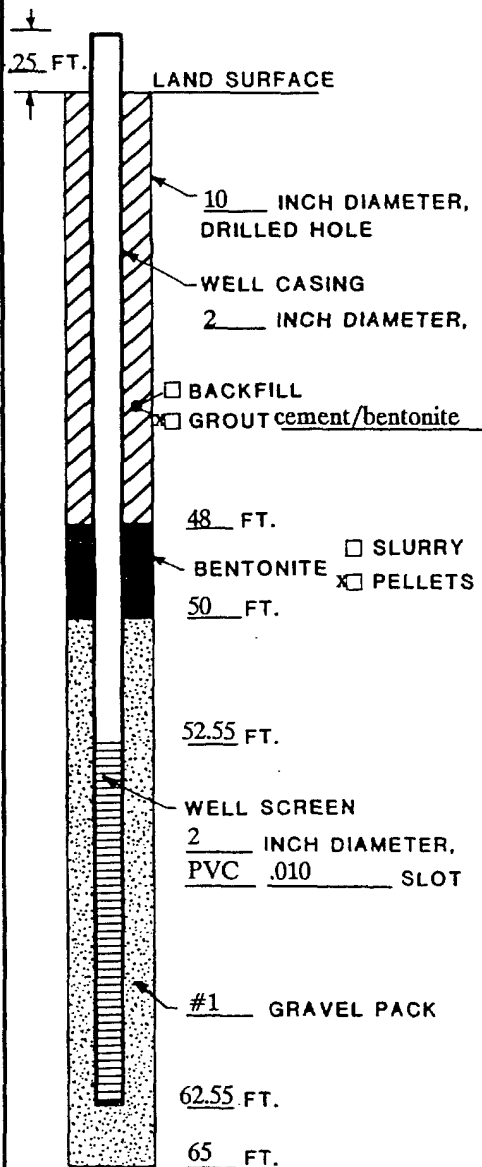
SYL00115023

HYDROGEOLOGIST Eric Arnesen



Consulting Ground-Water Geologists
ROUX ASSOCIATES INC

MONITORING WELL CONSTRUCTION LOG



NOTE:
ALL DEPTHS IN FEET
BELOW LAND SURFACE

PROJECT NAME A.G.O. Associates NUMBER 07710Y

WELL NO. MW-6 PERMIT NO. _____

TOWN/CITY Hicksville

COUNTY Nassau STATE New York

LAND-SURFACE ELEVATION

AND DATUM 77.58 FEET

Arbitrary

☒ SURVEYED

☐ ESTIMATED

INSTALLATION DATE(S) February 20 & 21, 1991

DRILLING METHOD Hollow Stem Auger

DRILLING CONTRACTOR Marine Pollution Control

DRILLING FLUID None

DEVELOPMENT TECHNIQUE(S) AND DATE(S)

Waterra Pump 3/11/91

FLUID LOSS DURING DRILLING N/A GALLONS

WATER REMOVED DURING DEVELOPMENT 150 GALLONS

STATIC DEPTH TO WATER 53.77 FEET BELOW M.P.

PUMPING DEPTH TO WATER N/D FEET BELOW M.P.

PUMPING DURATION .5 HOURS

YIELD N/D GPM 5 DATE 03/11/91

SPECIFIC CAPACITY N/D GPM/FT.

WELL PURPOSE Monitoring

REMARKS N/D - Not Determined. N/A - Not Applicable.

SYL00115024

HYDROGEOLOGIST Eric Arnesen

APPENDIX D



APPENDIX D

Chain of Custody Documentation

SYL00115025

ROUX

CHAIN OF CUSTODY

No 00242 Y

ROUX ASSOCIATES INC 775 PARK AVENUE, SUITE 255
Consulting Ground-Water HUNTINGTON, NEW YORK 11743
Geologists & Engineers (516) 673-7200 FAX. (516) 673-7216

PROJECT NAME

A.G.O. ASSOCIATES (GIBBS + HELL)

PROJECT NUMBER

07110Y

PROJECT LOCATION

Hicksville, N.Y.

SAMPLER(S)

ERIC ARNESEN, KURT KLOTZER

SAMPLE DESIGNATION/LOCATION

DATE
COLLECTEDTIME
COLLECTED

SAMPLE MATRIX

TCL METALS

TCL VOLATILES

TCL SEMI-VOLATILES

TCL PESTICIDES/
PCBsFULL TCL-PH, SPECIALLY
TSS, COODTS

TOTAL BOTTLES

NOTES

MW-1

3/26/91

9:50am

G.W.

X

X

X

X

X

10

MW-2

3/24/91

11:45am

G.W.

X

X

X

X

X

10

MW-3

3/26/91

11:00am

G.W.

X

X

X

X

X

10

MW-6

3/26/91

12:30pm

G.W.

X

X

X

X

X

10

MW-X

3/26/91

1:15pm

G.W.

X

X

X

X

X

10

TRIP BLANK

3/26/91

X

2

RELINQUISHED BY: (SAMPLER'S
SIGNATURE)

FOR

Eric Arnesen

Roux

DATE

3/26/91

TIME

2:05pm

SEAL
INTACT
Y OR N

RECEIVED BY: (SIGNATURE)

FOR

Eric Arnesen H2M LABS

DATE

3/26/91

TIME

1400

SEAL
INTACT
Y OR N

RELINQUISHED BY: (SIGNATURE)

FOR

DATE

TIME

SEAL
INTACT
Y OR N

RECEIVED BY: (SIGNATURE)

FOR

DATE

TIME

SEAL
INTACT
Y OR N

RELINQUISHED BY: (SIGNATURE)

FOR

DATE

TIME

SEAL
INTACT
Y OR N

RECEIVED BY: (SIGNATURE)

FOR

DATE

TIME

SEAL
INTACT
Y OR N

DELIVERY METHOD

Hand

ANALYTICAL LABORATORY

H2M

SYL00115026

COMMENTS

BASLER LOT #7

G.W. - GROUND WATER

Environmental and Industrial Analytical Laboratory
575 Broad Hollow Road, Melville, N.Y. 11747-5076
(516) 894-3040
FAX: 516-894-4122

Baker L. 117

SYL00115027

ROUX

CHAIN OF CUSTODY

No 00239 Y

ROUX ASSOCIATES INC 775 PARK AVENUE, SUITE 255
 Consulting Ground-Water HUNTINGTON, NEW YORK 11743
 Geologists & Engineers (516) 673-7200 FAX. (516) 673-7218

PROJECT NAME PROJECT NUMBER
 A.G.O. ASSOCIATES (GROSS + HILL) 07710Y

PROJECT LOCATION
 HICKSVILLE, N.Y.

SAMPLER(S)
 ERIC ARNOLDSEN, KURT KLOTZER

SAMPLE DESIGNATION/LOCATION DATE COLLECTED TIME COLLECTED

SAMPLE DESIGNATION/LOCATION	DATE COLLECTED	TIME COLLECTED		ANALYSES						NOTES
				SAMPLE MATRIX	TCL METALS	TCL VOLATILES	TCL SEMI-VOLATILES	TCL PESTICIDES / PCBs	FULL TCL-PH, SELECTED CATIONS, ANIONS, CO ₂ , TDs	
MW-5	3/27/91	11:30	G.W.	X	X	X	X	X	26	
MW-4	3/27/91	9:30	G.W.	X	X	X	X	X	10	
MW-7	3/27/91	10:35	G.W.	X	X	X	X	X	10	
MW-8	3/27/91	10:10	G.W.	X	X	X	X	X	10	
TRIP BLANK				1	X				2	

RELINQUISHED BY: (SAMPLER'S SIGNATURE) Eric Olsen	FOR Rouy	DATE 3/27	TIME 12:36	SEAL INTACT Y OR N Y	RECEIVED BY: (SIGNATURE) Rudolf J. H2M	FOR H2M	DATE 3-27-91	TIME 1236	SEAL INTACT Y OR N Y
RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N
RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N

DELIVERY METHOD HAND	COMMENTS BAILER Lot #7
ANALYTICAL LABORATORY H2M	C.W. = GROUND WATER

SYL00115028

A.G.O. ASSOCIATES

H2M LABS, INC. I.D. #132009

Environmental and Industrial Analytical Laboratory
575 Broad Hollow Road, Melville, N.Y. 11747-5076
(516) 894-3040
FAX: 516-894-4122

GROUNDWATER

BAILER LOT #7

PROJ. NO.		PROJECT NAME		TOTAL NO. OF CONTAINERS		<div style="display: flex; justify-content: space-between;"> <div> 1-liter glass - UNPLST 1-gt. Plastic - HNO₃ 1-gt. Plastic - NaOH 1-gt. Plastic - UNPLST 40 ml. VIAL - UNPLST 40 ml. VIAL - PEG film H₂O </div> <div> Full TCL + PH - COND - COD - TDS SS - Filter </div> </div>										REMARKS		
SAMPLERS: (Signature)																		
STA. NO.	DATE	TIME	COM.	GRAB	STATION LOCATION													
MW-5	3/21/91	11:30		✓	HICKSVILLE	20	7	2	3	4	4							MS/HSD
MW-4	3/21/91	9:30		✓	HICKSVILLE	10	3	1	2	2	2							
MW-7	3/21/91	10:35		✓	HICKSVILLE	10	3	1	2	2	2							
MW-8	3/21/91	10:10		✓	HICKSVILLE	10	3	1	2	2	2							
						10	3	1	2	2	2							
						10	3	1	2	2	2							
						10	3	1	2	2	2							
						10	3	1	2	2	2							
						10	3	1	2	2	2							
	3/21/91				Trip BLANK	2						2						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
<i>Chris Rye</i>	3/21/91	0900	<i>Eric Area Ray</i>				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Remarks	
<i>Eric Area Ray</i>	3-27-91	1230	<i>Rick S</i>				

SYL00115029

APPENDIX E
Aquifer Testing Data

SYL00115030

REDUCED DATA FILE FOR SLUG TEST EVALUATION
MONITORING WELL MW-6

Page 1 of 1

Slug Test for MW-6

$$y_0 = 0.331$$

$$R_e = 0.238$$

$$r_w = 0.417$$

$$b = 170.8$$

$$\text{screen length} = 10$$

$$\text{static height of water in well} = 8.78$$

Time (min)	Drawdown (ft)	Weighting Factor
0.025	0.431	1
0.0333	0.078	0
0.0416	0.292	1
0.05	0.201	1
0.0583	0.062	1
0.0666	0.031	1
0.075	0.022	1
0.0833	0.012	1
0.1	0.006	1
0.1166	0.006	1
0.1333	0.003	1

SYL00115031

REDUCED DATA FILE FOR SLUG TEST EVALUATION
MONITORING WELL MW-1

Page 1 of 1

Slug Test for MW-1

$$y_0 = 0.276$$

$$R_e = 0.238$$

$$r_w = 0.417$$

$$b = 175$$

$$\text{screen length} = 10$$

$$\text{static height of water in well} = 8.66$$

Time (min)	Drawdown (ft)	Weighting Factor
0.0166	0.276	1
0.025	0.166	1
0.0333	0.204	1
0.0416	0.088	1
0.05	0.015	1

SYL00115032

REDUCED DATA FILE FOR SLUG TEST EVALUATION
MONITORING WELL MW-2

Page 1 of 1

Slug Test for MW-2

$$y_0 = 0.361$$

$$R_e = 0.238$$

$$r_w = 0.417$$

$$b = 165.1$$

$$\text{screen length} = 10$$

$$\text{static height of water in well} = 11.12$$

Time (min)	Drawdown (ft)	Weighting Factor
0.025	0.286	1
0.0333	0.361	1
0.0416	0.217	1
0.05	0.248	1
0.0583	0.088	1
0.0666	0.012	1
0.075	0.012	1
0.0833	0.015	1
0.1	0.009	1
0.1166	0.009	1
0.1333	0.009	1
0.15	0.006	1

SYL00115033

REDUCED DATA FILE FOR SLUG TEST EVALUATION
MONITORING WELL MW-3

Page 1 of 1

Slug Test for MW-3

$y_0 = 0.428$
 $R_c = 0.238$
 $r_w = 0.417$
 $b = 165.2$
screen length = 10
static height of water in well = 12.54

Time (min)	Drawdown (ft)	Weighting Factor
0.0166	0.428	1
0.025	0.283	1
0.0333	0.236	1
0.0416	0.298	1
0.05	0.308	1
0.0583	0.135	1
0.0666	0.044	0
0.075	0.059	1
0.0833	0.028	1
0.1	0.081	0
0.1166	0.025	1
0.1333	0.009	0
0.15	0.018	1
0.1666	0.009	1
0.1833	0.006	1
0.2	0.006	1
0.2166	0.009	0
0.2333	0.003	1

SYL00115034

REDUCED DATA FILE FOR SLUG TEST EVALUATION
MONITORING WELL MW-4

Page 1 of 1

Slug Test for MW-4

$$y_0 = 0.292$$

$$R_e = 0.238$$

$$r_w = 0.417$$

$$b = 173.76$$

$$\text{screen length} = 10$$

$$\text{static height of water in well} = 11.26$$

Time (min)	Drawdown (ft)	Weighting Factor
0.0416	0.232	1
0.05	0.107	1
0.0583	0.292	1
0.0666	0.144	1
0.075	0.028	1
0.0833	0.015	1
0.1	0.009	1
0.1166	0.003	1
0.1333	0.006	1

SYL00115035

REDUCED DATA FILE FOR SLUG TEST EVALUATION
MONITORING WELL MW-5

Page 1 of 1

Slug Test for MW-5

$y_0 = 0.273$
 $R_e = 0.238$
 $r_w = 0.417$
 $b = 170.5$
screen length = 10
static height of water in well = 10.81

Time (min)	Drawdown (ft)	Weighting Factor
0.025	0.122	0
0.0333	0.169	0
0.0416	0.273	1
0.05	0.125	1
0.0583	0.025	1
0.0666	0.015	1
0.075	0.009	1
0.0833	0.006	1
0.1	0.006	1
0.1166	0.003	1
0.1333	0.003	1
0.15	0.003	1

SYL00115036

Linear Plot of Time Versus Drawdown Data for Monitoring Well MW-1,
April 18, 1991 Slug Test, AGO Landfill Site, Hicksville, New York

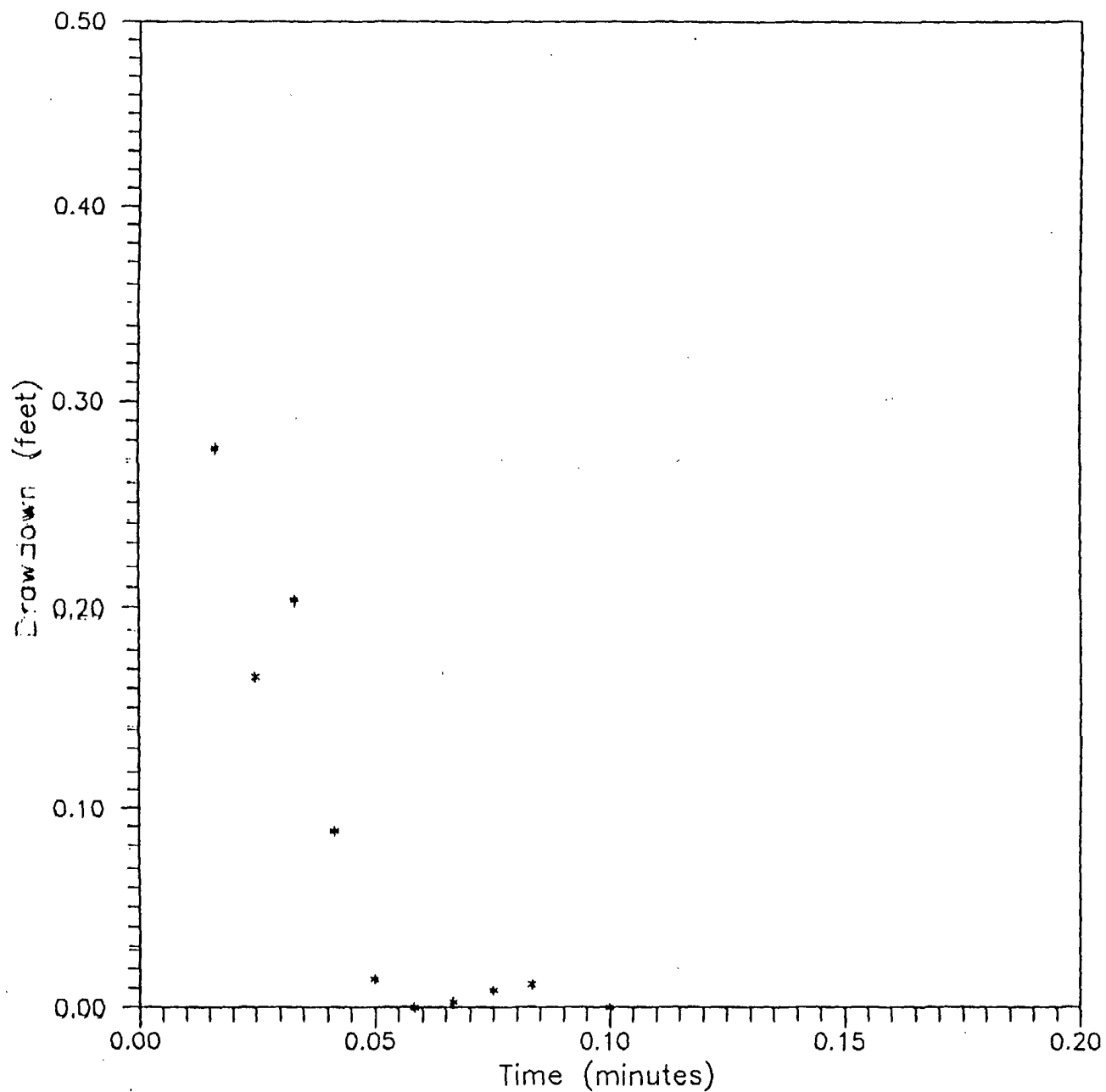
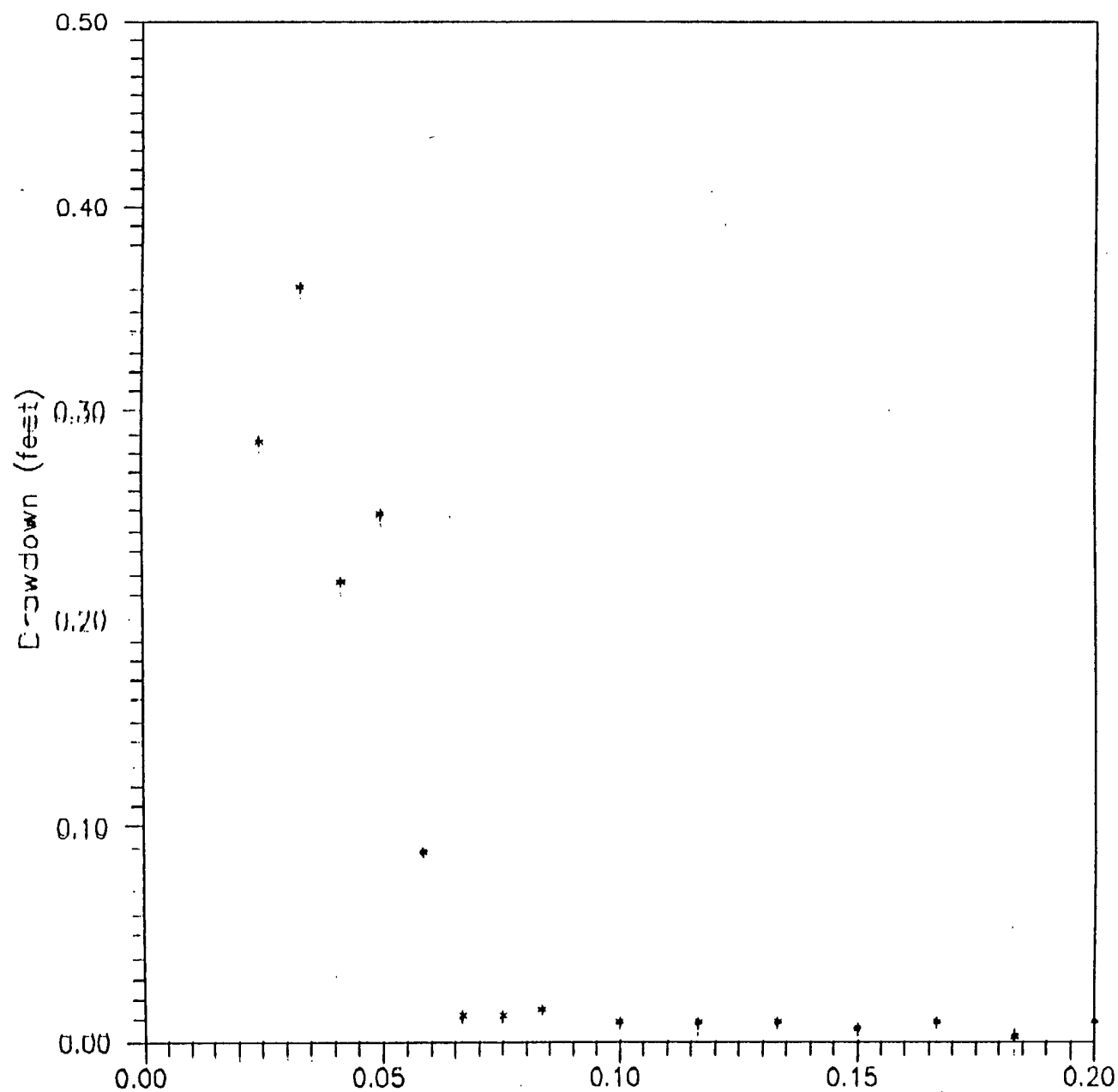


FIGURE 4

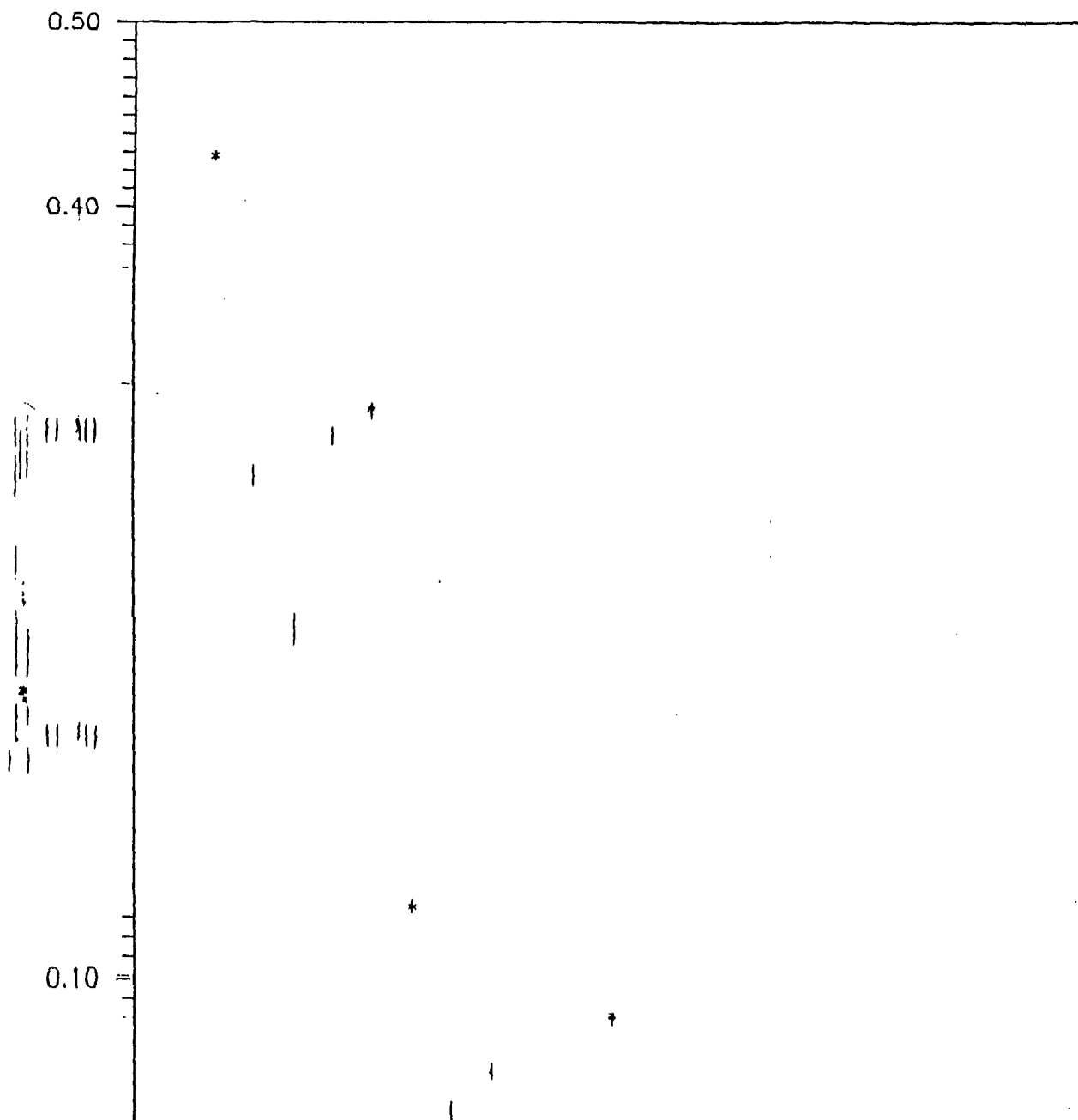
SYL00115037

Linear Plot of Time Versus Drawdown Data for Monitoring Well MW-2,
April 18, 1991 Slug Test, AGO Landfill Site, Hicksville, New York



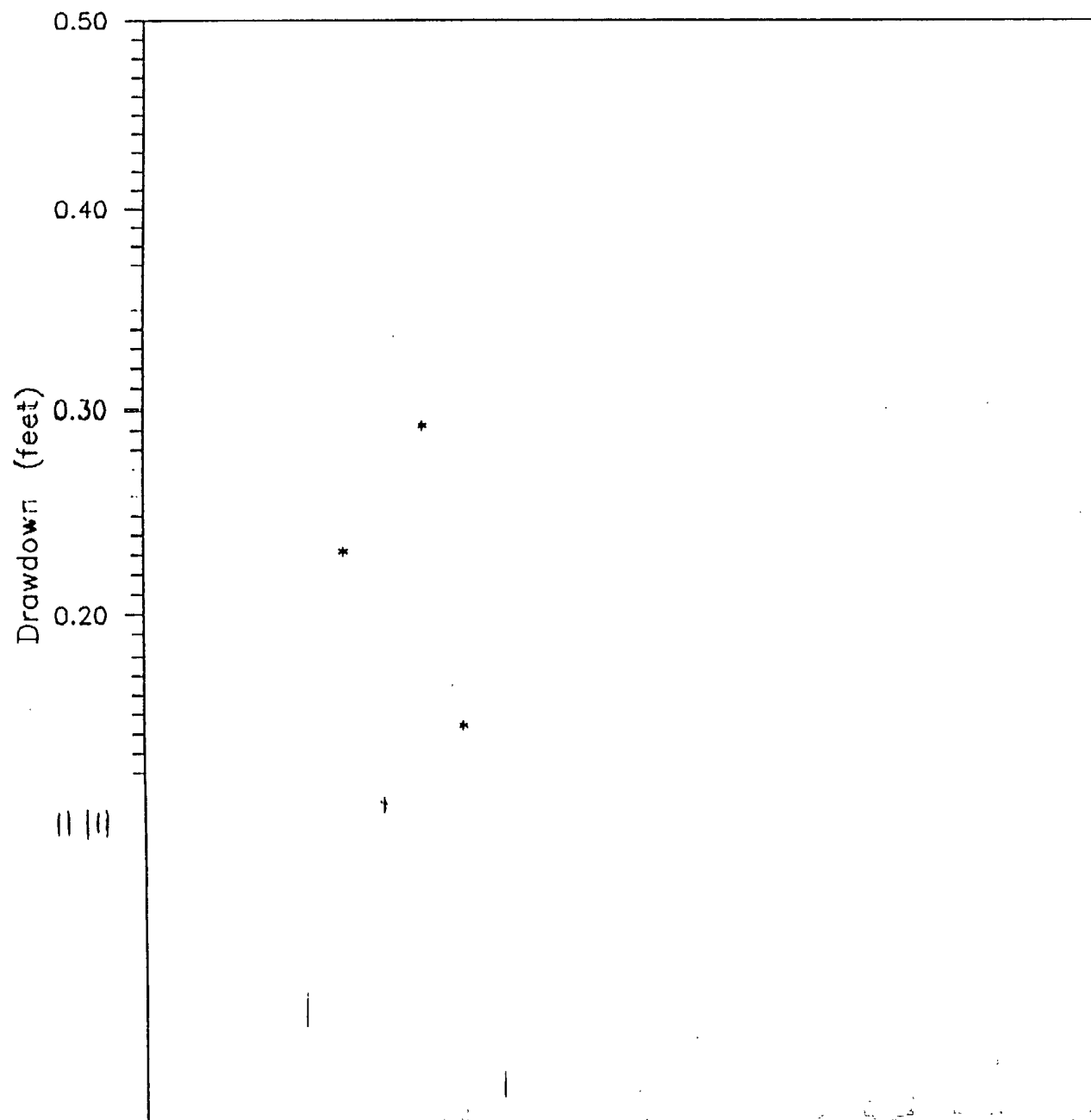
SYL00115038

Linear Plot of Time Versus Drawdown Data for Monitoring Well MW-3,
April 18, 1991 Slug Test, AGO Landfill Site, Hicksville, New York



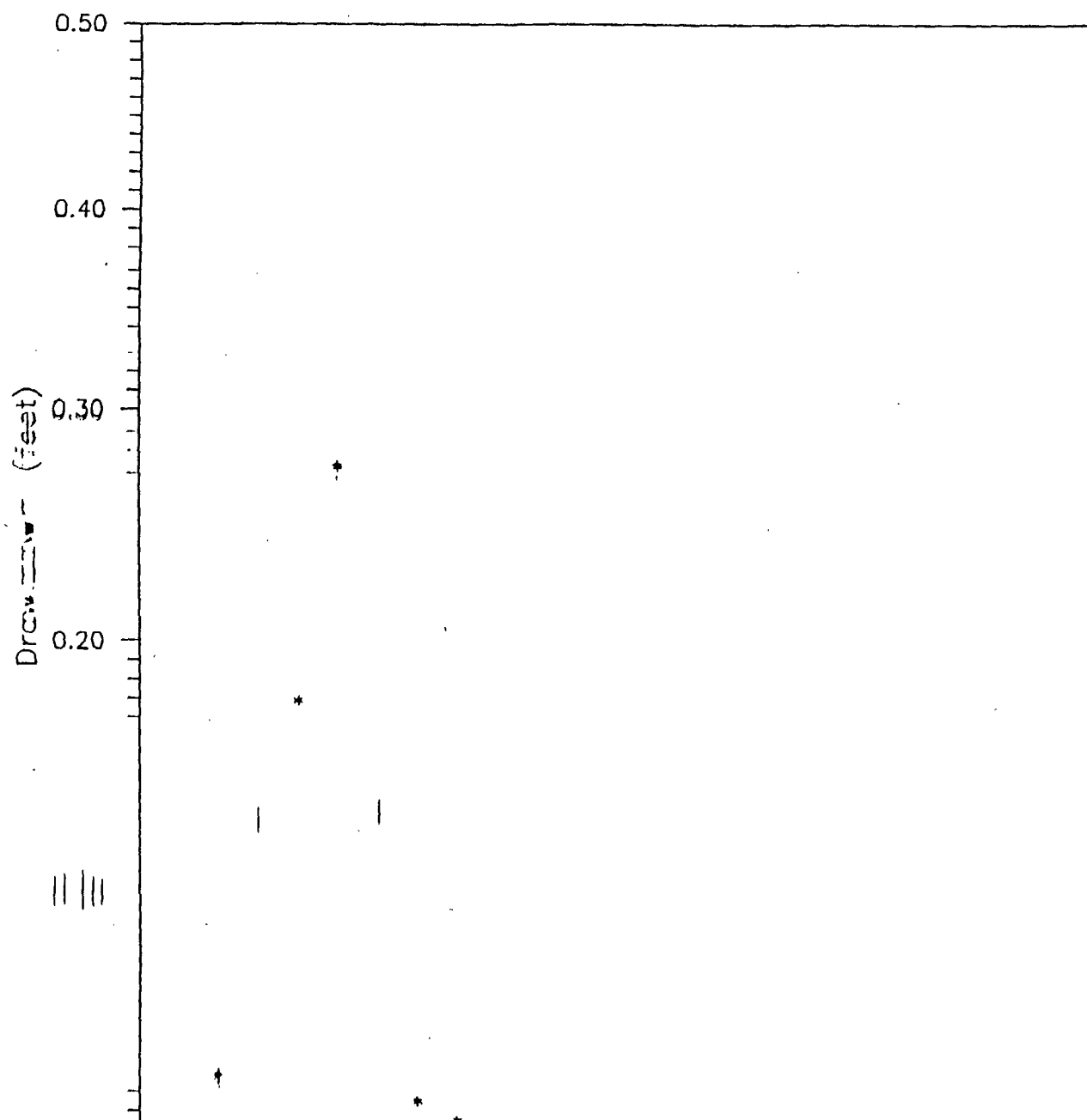
SYL00115039

Linear Plot of Time Versus Drawdown Data for Monitoring Well MW-4,
April 18, 1991 Slug Test, AGO Landfill Site, Hicksville, New York



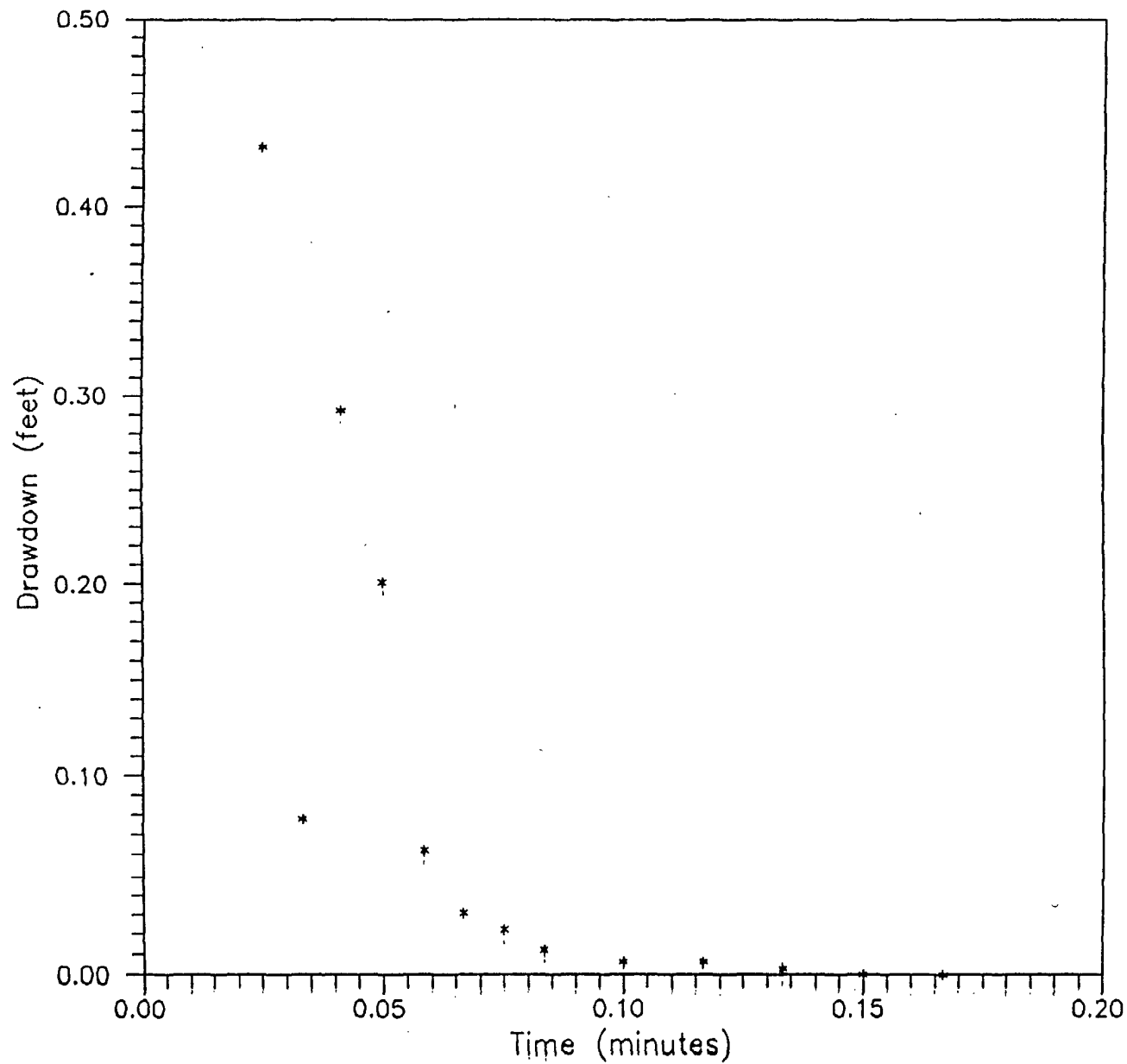
SYL00115040

Linear Plot of Time Versus Drawdown Data for Monitoring Well MW-5,
April 18, 1991 Slug Test, AGO Landfill Site, Hicksville, New York



SYL00115041

Linear Plot of Time Versus Drawdown Data for Monitoring Well MW-6,
April 18, 1991 Slug Test, AGO Landfill Site, Hicksville, New York



SYL00115042

FIGURE 9

APPENDIX F
Federal and State
Water Standards and Goals

SYL00115043

FEDERAL AND STATE STANDARDS AND GOALS

NOTES TO REGULATIONS

- [A] Environmental Protection Agency National Primary Drinking Water Regulations (as of 7/17/89)

Applied to results of all water sample analyses.

- [B] Chapter 1 of Title 10 of the Official Compilation of Codes, Rules and Regulations of the State of New York, Part 5, Drinking Water Supplies, Subpart 5-1, Public Water Supplies (as of 11/28/88)

Applied to results of drinking water sample analyses.

- [C] Chapter 10 of Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York, Division of Water Resources, Article 2, Part 702, Appendix 31, Ambient Water Quality Standards - "The standards adopted herein relate to the condition of waters as affected by the discharge of sewage, industrial wastes or other wastes." (as of 7/5/85)

For sources of water for drinking, culinary or food processing purposes and human life protection, unless otherwise noted.

Applied to results of surface water sample analyses for surface water that is not a source of drinking water.

- [D] Chapter 10 of Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York, Division of Water Resources, Article 2, Part 703.5(a)(2) and (3), Classes and quality standards for groundwaters - "The purpose of these classes, quality standards, and effluent standards and/or limitations is to prevent pollution of groundwaters and to protect the groundwaters for use as a potable water." (as of 7/5/85)

Applied to results of all groundwater sample analyses regardless of groundwater use.

- [E] Environmental Protection Agency National Secondary Drinking Water Regulations (as of 9/26/88)

Applied to results of all water sample analyses.

- [F] Source: "Review of In-Place Treatment Techniques for Contaminated Surface Soils," Volume 2, EPA-540/2-84-0036, November 1984, except as noted.

Applied to results of soil sample analyses.

- [G] Chapter 360 of Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York, Solid Waste Management Facilities, Section 360-4.4(a), "Sewage sludge and septage destined for land application" (as of 12/31/88)

Applied to results of soil and sediment sample analyses.

SYL00115044

FEDERAL AND STATE WATER STANDARDS AND GOALS

TCL VOLATILE ORGANICS		Contract	[A] EPA	[A] EPA	[B] 10 NYCRR	[C] 6 NYCRR	[D] 6 NYC
		Detection	40CFR141	40CFR141	Subpart	702	71
CAS Number	Compound	Limit [ug/l]	MCL* [ug/l]	MCLG** [ug/l]	5.1 MCL* [ug/l]	Standard [ug/l]	Standard [ug/l]
74-87-3	Chloromethane	10			5	50	
74-83-9	Bromomethane	10			5	50	5
75-01-4	Vinyl Chloride	10	2	0	2	50	
75-00-3	Chloroethane	10			5	50	
75-09-2	Methylene Chloride	5			5	50	
67-64-1	Acetone	10			50	50	50
75-15-0	Carbon Disulfide	5			50	50	50
75-35-4	1,1-Dichloroethane	5	7	7	5	50	5
75-34-3	1,1-Dichloroethane	5			5	50	5
540-59-0	1,2-Dichloroethane (total)	5			5	50	5
67-66-3	Chloroform	5	[1]		[2]	0.2	[2]
107-06-2	1,2-Dichloroethane	5	5	0	5	0.8	5
78-93-3	2-Butanone	10			50	50	50
71-55-6	1,1,1-Trichloroethane	5	200	200	5	50	5
56-23-5	Carbon Tetrachloride	5	5	0	5	50	5
108-05-4	Vinyl Acetate	10			50	50	50
75-27-4	Bromodichloromethane	5	[1]		[2]	50	[2]
78-87-5	1,2-Dichloropropane	5			5	0.6	5
10061-01-5	cis-1,3-Dichloropropene	5			5	50	5
79-01-6	Trichloroethane	5	5	0	5	50	5
124-48-1	Dibromochloromethane	5	[1]		[2]	50	[2]
79-00-5	1,1,2-Trichloroethane	5			5	50	5
71-43-2	Benzene	5	5	0	5	50	ND[4]
10061-02-6	trans-1,3-Dichloropropene	5			5	50	5
75-25-2	Bromoform	5	[1]		[2]	50	[2]
108-10-1	4-Methyl-2-pentanone	10			5	50	5
591-78-6	2-Hexanone	10			5	50	5
127-18-4	Tetrachloroethane	5			5	50	5
79-34-5	1,1,2,2-Tetrachloroethane	5			5	50	5
108-88-3	Toluene	5			5	50	5
108-90-7	Chlorobenzene	5			5	20[3]	5
100-41-4	Ethylbenzene	5			5	50	5
100-42-5	Styrene	5			5	50	5
1330-20-7	Xylene (total)	5			5	50	5

- [1] 100 ug/l for the total of these four compounds for community water systems serving greater than 10,000 persons and which add a disinfectant (oxidant) to the water.
- [2] 100 ug/l for the total of these four compounds for community water systems.
- [3] Sources of water for drinking, culinary or food processing purposes - aquatic life protection: 5 ug/l. Primary contact recreation: 5 ug/l.
- [4] Not detectable by tests or analytical determinations referenced in 6 NYCRR 703.4.

* Maximum Contaminant Level - "maximum permissible level of a contaminant in water which is delivered to the free flowing outlet of the ultimate user of a public water system."

** Maximum Contaminant Level Goal - "nonenforceable health goal."

SYL00115045

FEDERAL AND STATE WATER STANDARDS AND GOALS

TCL SEMI-VOLATILE ORGANICS

TCL SEMI-VOLATILE ORGANICS		[A]	[A]	[B]	[C]	[D]	
		Contract	EPA	EPA 10 NYCRR	6 NYCRR	6 NYCRR	
		Detection	40CFR141	40CFR141	Subpart	702	703
CAS Number	Compound	Limit	MCL*	MCLG**	5.1 MCL*	Standard	Standard
		[ug/l]	[ug/l]	[ug/l]	[ug/l]	[ug/l]	[ug/l]
108-95-2	Phenol	10			50	1	50
111-44-4	bis(2-Chloroethyl)ether	10			50	50	1
95-57-8	2-Chlorophenol	10			50	50	50
541-73-1	1,3-Dichlorobenzene	10			5	20[1]	5
106-46-7	1,4-Dichlorobenzene	10	75	75	5	30[1]	4.7
100-51-6	Benzyl alcohol	10			50	50	50
95-50-1	1,2-Dichlorobenzene	10			5	50[1]	4.7
95-48-7	2-Methylphenol	10			50	50	50
39638-32-9	bis(2-Chloroisopropyl)ether	10			50	50	50
106-44-5	4-Methylphenol	10			50	50	50
621-64-7	N-Nitroso-di-n-propylamine	10			50	50	50
67-72-1	Hexachloroethane	10			50	50	50
98-95-3	Nitrobenzene	10			50	30	50
78-59-1	Isophorone	10			50	50	50
88-75-5	2-Nitrophenol	10			50	50	50
105-67-9	2,4-Dimethylphenol	10			50	50	50
65-85-0	Benzoic acid	50			50	50	50
111-91-1	bis(2-Chloroethoxy)methane	10			50	50	50
120-83-2	2,4-Dichlorophenol	10			50	0.3	50
120-82-1	1,2,4-Trichlorobenzene	10			5	10[1]	5
91-20-3	Naphthalene	10			50	10	50
106-47-8	4-Chloroaniline	10			50	50	50
87-68-3	Hexachlorobutadiene	10			5	0.5	5
59-50-7	4-Chloro-3-methylphenol	10			50	50	50
91-57-6	2-Methylnaphthalene	10			50	50	50
77-47-4	Hexachlorocyclopentadiene	10			50	1[2]	50
88-06-2	2,4,6-Trichlorophenol	10			50	50	50
95-95-4	2,4,5-Trichlorophenol	50			50	50	50
91-58-7	2-Chloronaphthalene	10			50	10	50
88-74-4	2-Nitroaniline	50			50	50	50
131-11-3	Dimethylphthalate	10			50	50	50
208-96-8	Acanaphthylene	10			50	50	50
606-20-2	2,6-Dinitrotoluene	10			50	50	50

[1] Sources of water for drinking, culinary or food processing purposes
- aquatic life protection: 5 ug/l; primary contact recreation: 5 ug/l

[2] Sources of water for drinking, culinary or food processing purposes
- aquatic life protection: 0.45 ug/l; primary contact recreation: 0.45 ug/l

[3] Sources of water for drinking, culinary or food processing purposes
- aquatic life protection: 0.4 ug/l; primary contact recreation: 0.4 ug/l

* Maximum Contaminant Level - "maximum permissible level of a contaminant in water which is delivered to the free flowing outlet of the ultimate user of a public water system."

** Maximum Contaminant Level Goal - "nonenforceable health goal."

SYL00115046

FEDERAL AND STATE WATER STANDARDS AND GOALS

TCL SEMI-VOLATILE ORGANICS

CAS Number	Compound	Contract	[A]	[A]	[B]	[C]	[D]
		Detection Limit (ug/l)	EPA 40CFR141 MCL* (ug/l)	EPA 10 NYCRR 40CFR141 MCLG** (ug/l)	NYCRR Subpart 5.1 MCL* (ug/l)	NYCRR 6 NYCRR 70Z Standard (ug/l)	NYCRR 6 NYCRR 70 Standard (ug/l)
99-09-2	3-Nitroaniline	50			50	50	50
83-32-9	Acenaphthene	10			50	20	50
51-28-5	2,4-Dinitrophenol	50			50	50	50
100-02-7	4-Nitrophenol	50			50	50	50
132-64-9	Dibenzofuran	10			50	50	50
121-14-2	2,4-Dinitrotoluene	10			50	50	50
84-66-2	Diethylphthalate	10			50	50	50
7005-72-3	4-Chlorophenyl-phenylether	10			50	50	50
86-73-7	Fluorene	10			50	50	50
100-01-6	4-Nitroaniline	50			50	50	50
534-52-1	4,6-Dinitro-2-methylphenol	50			50	50	50
86-30-6	N-Nitroso-diphenylamine	10			50	50	50
101-55-3	4-Bromophenyl-phenylether	10			50	50	50
118-74-1	Hexachlorobenzene	10			50	50	0.35
87-86-5	Pentachlorophenol	50			50	1[3]	21
85-01-8	Phenanthrene	10			50	50	50
120-12-7	Anthracene	10			50	50	50
84-74-2	Di-n-butylphthalate	10			50	50	50
206-44-0	Fluoranthene	10			50	50	50
129-00-0	Pyrene	10			50	50	50
85-68-7	Butylbenzylphthalate	10			50	50	50
91-94-1	3,3'-Dichlorobenzidine	20			50	50	50
56-55-3	Benzo(a)anthracene	10			50	50	50
218-01-9	Chrysene	10			50	50	50
117-81-7	bis(2-Ethylhexyl)phthalate	10			50	0.6	4.2
117-84-0	Di-n-octylphthalate	10			50	50	50
205-99-2	Benzo(b)fluoranthene	10			50	50	50
207-08-9	Benzo(k)fluoranthene	10			50	50	50
50-32-8	Benzo(a)pyrene	10			50	50	50
193-39-5	Indeno(1,2,3-cd)pyrene	10			50	50	50
53-70-3	Dibenzo(a,h)anthracene	10			50	50	50
191-24-2	Benzo(g,h,i)perylene	10			50	50	50

- [1] Sources of water for drinking, culinary or food processing purposes
- aquatic life protection: 5 ug/l; primary contact recreation: 5 ug/l
- [2] Sources of water for drinking, culinary or food processing purposes
- aquatic life protection: 0.45 ug/l; primary contact recreation: 0.45 ug/l
- [3] Sources of water for drinking, culinary or food processing purposes
- aquatic life protection: 0.4 ug/l; primary contact recreation: 0.4 ug/l

* Maximum Contaminant Level - "maximum permissible level of a contaminant in water which is delivered to the free flowing outlet of the ultimate user of a public water system."

** Maximum Contaminant Level Goal - "nonenforceable health goal."

SYL00115047

FEDERAL AND STATE WATER STANDARDS

TCL INORGANICS

CAS Number	Analyte	Contract	(A)	(E)	(B)	(C)	(C)	(C)	(D)
		Detection Limit	EPA 40CFR141 MCL*	EPA 40CFR143 SMCL**	10 NYCRR Subpart 5.1 MCL*	6 NYCRR 702 Human	6 NYCRR 702 Aquatic	6 NYCRR 702 PCR***	6 NYCRR 703 Standard
		(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
7429-90-5	Aluminum	200					100	100	
7440-36-0	Antimony	60							
7440-38-2	Arsenic	10	50		50	50	190	190	25
7440-39-3	Barium	200	1000		1000	1000			1000
7440-41-7	Beryllium	5					1100[2]	1100[2]	
7440-43-9	Cadmium	5	10		10	10	0.9[3]	0.9[3]	10
7440-70-2	Calcium	5000							
7440-47-3	Chromium	10	50		50	50	163[3]	163[3]	50
7440-48-4	Cobalt	50					5	5	
7440-50-8	Copper	25		1000	1000	200	9.2[3]	9.2[3]	200(4)
7439-89-6	Iron	100		300	300[1]	300	300	300	300[1]
7439-92-1	Lead	5	50		50	50	2.2[3]	2.2[3]	25
7439-95-4	Magnesium	5000				35000			
7439-96-5	Manganese	15		50	300[1]	300			300[1]
7439-97-6	Mercury	0.2	2		2	2			2
7440-02-0	Nickel	40					76.8[3]	76.8[3]	
7440-09-7	Potassium	5000							
7782-49-2	Selenium	5	10		10	10	1	1	10
7440-22-4	Silver	10	50		50	50	0.1	0.1	50
7440-23-5	Sodium	5000							
7440-28-0	Thallium	10					8	8	
7440-62-2	Vanadium	50					14	14	
7440-66-6	Zinc	20		5000	5000	300	30	30	300(4)
	Cyanide	10				100	5.2	5.2	

[1] If both are present, the total of both concentrations may not exceed 500 ug/l.

[2] For water with hardness greater than 75 ppm. Standard is 11 ug/l for water with hardness less than or equal to 75 ppm.

[3] For water with hardness of 75 ppm. See 6 NYCRR 702 for determination of standard for other hardnesses.

(4) 10 NYCRR 170 standard

* Maximum Contaminant Level - "maximum permissible level of a contaminant in water which is delivered to the free flowing outlet of the ultimate user of a public water system."

** Secondary Maximum Contaminant Level - same definition as MCL except "not Federally enforceable but intended as guidelines for the States."

*** Primary contact recreation and any other uses except as a source of water supply for drinking, culinary or food processing purposes.

SYL00115048

FEDERAL AND STATE WATER STANDARDS

TCL PESTICIDES AND PCB's		Contract	[A] EPA 10 Detection	[B] NYCRR Subpart	[C] 6 NYCRR 702	[C] 6 NYCRR 702	[C] 6 NYCRR 702	[D] 6 NYCRR 7
CAS Number	Compound	Limit [ug/l]	MCL* [ug/l]	5.1 MCL* [ug/l]	Human [ug/l]	Aquatic [ug/l]	PCR** [ug/l]	Standards [ug/l]
319-84-6	alpha-BHC	0.05			50	0.01	0.01	ND[1]
319-85-7	beta-BHC	0.05			50	0.01	0.01	ND[2]
319-86-8	delta-BHC	0.05			50	0.01	0.01	ND[2]
58-89-9	gamma-BHC (Lindane)	0.05	4	4	50	0.01	0.01	ND[1]
76-44-8	Heptachlor	0.05			0.009	0.001	0.001	ND[1]
309-00-2	Aldrin	0.05			0.001[1]	0.001[1]	0.001[1]	ND[2]
1024-57-3	Heptachlor epoxide	0.05			0.009	0.001	0.001	ND[2]
959-98-8	Endosulphan I	0.05			50	50	50	
60-57-1	Dieldrin	0.10			0.001[1]	0.001[1]	0.001[1]	ND[2]
72-55-9	4,4'-DDE	0.10			0.01	0.001	0.001	ND[2]
72-20-8	Endrin	0.10	0.2	0.2	0.2	0.002	0.002	ND[2]
33213-65-9	Endosulphan II	0.10			50	50	50	
72-54-8	4,4'-DDD	0.10			0.01	0.001	0.001	
1031-07-8	Endosulphan sulfate	0.10			50	50	50	
50-29-3	4,4'-DDT	0.10			0.01	0.001	0.001	ND[2]
53494-70-5	Endrin ketone	0.10			50	50	50	
72-43-5	Methoxychlor	0.5	100	50	35	0.03	0.03	3L
5103-71-9	alpha-Chlordane	0.5			50	50	50	
5103-74-2	gamma-Chlordane	0.5			50	50	50	
8001-35-2	Toxaphene	1.0		5	50	50	50	ND[2]
12674-11-2	AROCLOR-1016	0.5			0.01	0.001	0.001	0.1
11104-28-2	AROCLOR-1221	0.5			0.01	0.001	0.001	0.1
11141-16-5	AROCLOR-1232	0.5			0.01	0.001	0.001	0.1
53469-21-9	AROCLOR-1242	0.5			0.01	0.001	0.001	0.1
12672-29-6	AROCLOR-1248	0.5			0.01	0.001	0.001	0.1
11097-69-1	AROCLOR-1254	1.0			0.01	0.001	0.001	0.1
11096-82-5	AROCLOR-1260	1.0			0.01	0.001	0.001	0.1

[1] 0.001 ug/l for the total of these two compounds.

[2] Not detectable by tests or analytical determinations referenced in 6 NYCRR 703.4.

* Maximum Contaminant Level - "maximum permissible level of a contaminant in water which is delivered to the free flowing outlet of the ultimate user of a public water system."

** Primary contact recreation and any other uses except as a source of water supply for drinking, culinary or food processing purposes.

SYL00115049

Land Application of Sewage Sludge and Septage

TCL PESTICIDES AND PCB's		Contract Detection Limit (mg/kg)	[G] 6 NYCRR Part 360 4.4 MC* (mg/kg)
CAS Number	Compound		
319-84-6	alpha-BHC	0.008	
319-85-7	beta-BHC	0.008	
319-86-8	delta-BHC	0.008	
58-89-9	gamma-BHC (Lindane)	0.008	
76-44-8	Heptachlor	0.008	
309-00-2	Aldrin	0.008	
1024-57-3	Heptachlor epoxide	0.008	
959-98-8	Endosulphan I	0.008	
60-57-1	Dieldrin	0.016	
72-55-9	4,4'-DDE	0.016	
72-20-8	Endrin	0.016	
33213-65-9	Endosulphan II	0.016	
72-54-8	4,4'-DDD	0.016	
1031-07-8	Endosulphan sulfate	0.016	
50-29-3	4,4'-DDT	0.016	
53494-70-5	Endrin ketone	0.016	
72-43-5	Methoxychlor	0.08	
5103-71-9	alpha-Chlordane	0.08	
5103-74-2	gamma-Chlordane	0.08	
8001-35-2	Toxaphene	0.16	
12674-11-2	AROCLOR-1016	0.08	10[1]
11104-28-2	AROCLOR-1221	0.08	10[1]
11141-16-5	AROCLOR-1232	0.08	10[1]
53469-21-9	AROCLOR-1242	0.08	10[1]
12672-29-6	AROCLOR-1248	0.08	10[1]
11097-69-1	AROCLOR-1254	0.16	10[1]
11096-82-5	AROCLOR-1260	0.16	10[1]

[1] 10 mg/kg for "Total PCBs"

* "Maximum Concentration, ppm, dry weight basis."

SYL00115050

Land Application of Sewage Sludge and Septage

TCL INORGANICS

CAS Number	Analyte	[F] Common Range in Soil [mg/kg]		[G] 6 NYCRR Part 360 4.4 MC* [mg/kg]
7429-90-5	Aluminum			
7440-36-0	Antimony	2 -	10	
7440-38-2	Arsenic	1 -	50	
7440-39-3	Barium	100 -	3000	
7440-41-7	Beryllium	0.1 -	40	
7440-43-9	Cadmium	0.01 -	0.7	25
7440-70-2	Calcium	700 -	36000[1]	
7440-47-3	Chromium	1 -	1000	1000
7440-48-4	Cobalt	1 -	40	
7440-50-8	Copper	2 -	100	1000
7439-89-6	Iron	5000 -	50000[1]	
7439-92-1	Lead	2 -	200	1000
7439-95-4	Magnesium	1200 -	15000[1]	
7439-96-5	Manganese	200 -	10000[1]	
7439-97-6	Mercury	0.01 -	0.3	10
7440-02-0	Nickel	5 -	500	200
7440-09-7	Potassium	1700 -	33000[1]	
7782-49-2	Selenium	0.1 -	2	
7440-22-4	Silver	0.01 -	5	
7440-23-5	Sodium			
7440-28-0	Thallium			
7440-62-2	Vanadium	20 -	500	
7440-66-6	Zinc	10 -	300	2500
	Cyanide			

[1] Source: "The Nature and Properties of Soils," Buckman, H., Brady, N., Macmillan Co., New York, New York, 1969.

* "Maximum Concentration, ppm, dry weight basis."

SYL00115051



APPENDIX G

Names and Addresses of Subcontractors

SYL00115052

**NAMES AND ADDRESSES OF SUBCONTRACTORS
USED IN PHASE II INVESTIGATION**

Roux Associates, Inc.
775 Park Avenue, Suite 255
Huntington, New York 11743

Marine Pollution Control
P.O. Box G10
460 Edwards Avenue
Calverton, New York 11933

H2M Labs, Inc.
575 Broad Hollow Road
Melville, New York 11747

Storch Associates
30 Jericho Executive Plaza
Jericho, New York 11755

Empire Soil Investigations, Inc.
140 Telegraph Road
P.O. Box 297
Middleport, New York 14105

SYL00115053

APPENDIX H



APPENDIX H

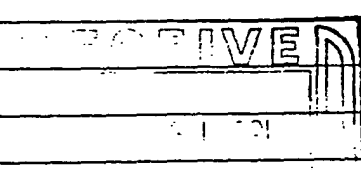
Surveyor's Sketch and Elevation Data

SYL00115054

STORCH ENGINEERS
STORCH ASSOCIATES
30 Jericho Turnpike
JERICHO, NEW YORK 11753

(516) 338-4500

LETTER OF TRANSMITTAL

DATE	MAY 30, 91	JOB NO.	1329
ATTENTION	MR. ERIC ARNTSON		
RE:	A.G.O. ASSOCIATES		
			

TO R-4X ASSOCIATES
775 PARK AVE
HUNTINGTON N.Y. 11743

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via _____ the following items:

- | | | | | |
|---|---------------------------------------|--------------------------------|----------------------------------|---|
| <input type="checkbox"/> Shop drawings | <input type="checkbox"/> Prints | <input type="checkbox"/> Plans | <input type="checkbox"/> Samples | <input type="checkbox"/> Specifications |
| <input type="checkbox"/> Copy of letter | <input type="checkbox"/> Change order | <input type="checkbox"/> _____ | | |

COPIES	DATE	NO.	DESCRIPTION
1			A.G.O. ASSOCIATES SURVEY SKETCH

THESE ARE TRANSMITTED as checked below:

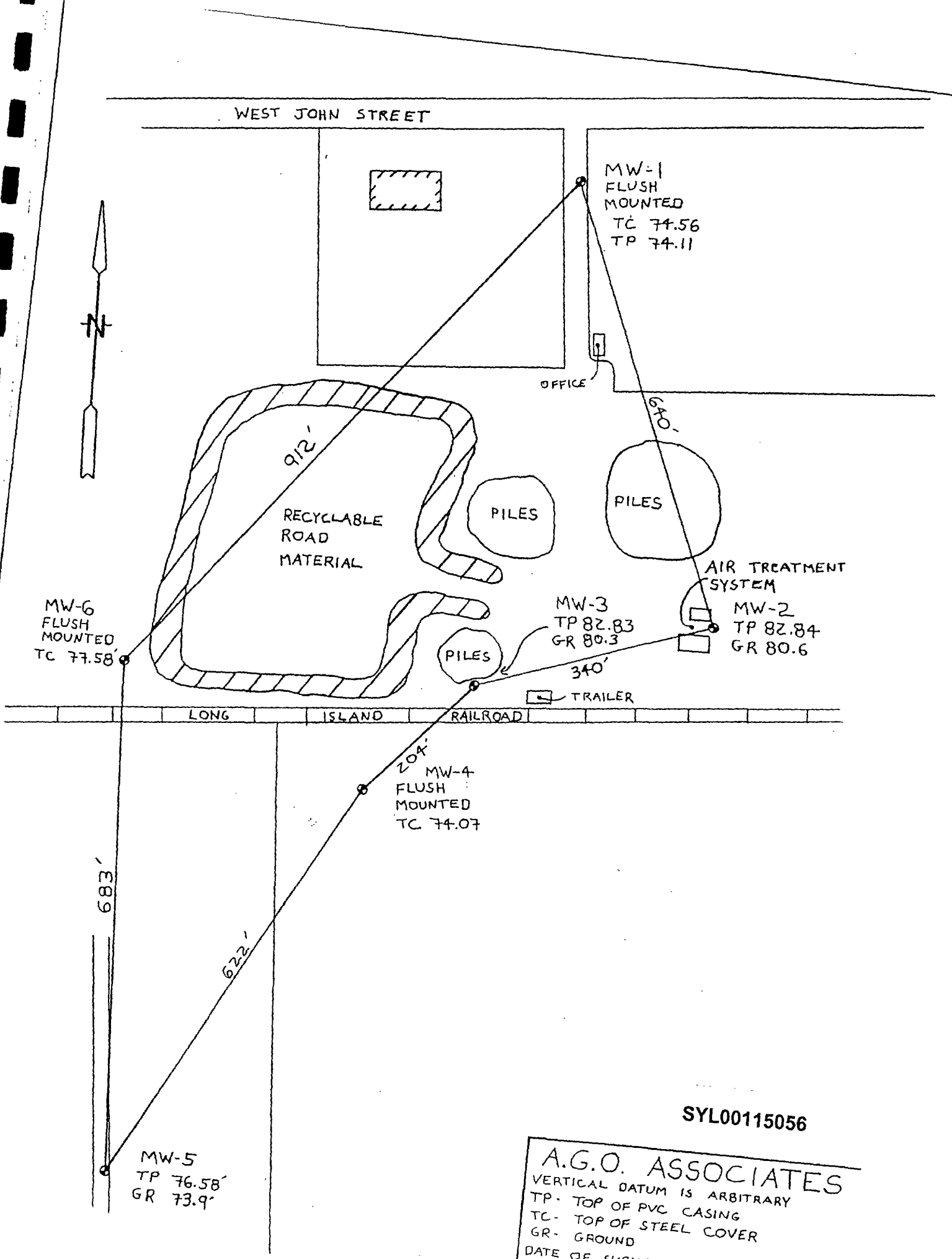
- | | | |
|--|---|---|
| <input type="checkbox"/> For approval | <input type="checkbox"/> Approved as submitted | <input type="checkbox"/> Resubmit _____ copies for approval |
| <input type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> Submit _____ copies for distribution |
| <input type="checkbox"/> As requested | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> Return _____ corrected prints |
| <input type="checkbox"/> For review and comment | <input type="checkbox"/> _____ | |
| <input type="checkbox"/> FOR BIDS DUE _____ 19 _____ <input type="checkbox"/> PRINTS RETURNED AFTER LOAN TO US | | |

REMARKS _____

SYL00115055

COPY TO _____

SIGNED _____



SYL00115056

A.G.O. ASSOCIATES
 VERTICAL DATUM IS ARBITRARY
 TP - TOP OF PVC CASING
 TC - TOP OF STEEL COVER
 GR - GROUND
 DATE OF SURVEY: MAY 20, 1991
 NOT TO SCALE

APPENDIX I

APPENDIX I

**NYSDEC Division of Hazardous Waste
Remediation Inactive Hazardous Waste
Disposal Report**

SYL00115057

SEP 10 '91 16:14 GIBBS & HILL

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION P.2/7
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL REPORT

CLASSIFICATION CODE: 2a

REGION: 1

SITE CODE: 130029

EPA ID:

NAME OF SITE : AGO Associates

STREET ADDRESS: South of West John Street

TOWN/CITY:

COUNTY:

ZIP:

Hicksville

Nassau

11753

SITE TYPE: Open Dump- Structure- Lagoon- Landfill- X Treatment Pond-
ESTIMATED SIZE: 14.4 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER NAME....: ** Multi - Owner Site **

CURRENT OWNER ADDRESS.: * * * * *

OWNER(S) DURING USE....: AGO Associates

OPERATOR DURING USE....: AGO Associates

OPERATOR ADDRESS.....: Box 700, Lindenhurst, NY

PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From To

SITE DESCRIPTION:

In 1963, AGO Associates, a partnership formed by Charles Andromidas, Morris and Aaron Green, and James O'Connell, purchased this property, which was then a 35 to 45 foot deep sand pit covering about 10 acres. Between 1963 and January, 1979 the pit was filled with construction and demolition material. In 1974, the Nassau County Health Dept. discovered several drums containing industrial solvents, lacquers, and thinners. The drums, and any spillage were removed in January, 1975. Local residents recall that although a sign at the facility entrance advertised for "clean fill", all kinds of truckloads of waste were disposed there. NYSDEC sampled surficial soil at the site in September of 1987. A Phase I report was completed in September, 1989.

This report has been included as part of the phase II investigation report.

HAZARDOUS WASTE DISPOSED: Confirmed-
TYPE

Suspected-X
QUANTITY (units)

Unknown

Unknown

SYL00115058

SITE CODE: 130029

ANALYTICAL DATA AVAILABLE:

Air- Surface Water- Groundwater- x Soil-X Sediment-

CONTRAVENTION OF STANDARDS:

Groundwater- x Drinking Water- Surface Water- Air-

LEGAL ACTION:

TYPE... State- Federal-
STATUS: Negotiation in Progress- Order Signed-

REMEDIAL ACTION:

Proposed- Under design- In Progress- Completed-
NATURE OF ACTION:

GEOTECHNICAL INFORMATION:

SOIL TYPE: sandy loam

GROUNDWATER DEPTH: approx. 50 feet below present grade

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Nearby wells are contaminated with solvents, but the source is unknown.
Onsite well have some contamination

ASSESSMENT OF HEALTH PROBLEMS:

Groundwater is the sole source of drinking water in the area. The groundwater in the Upper Glacial Aquifer in the area surrounding the site is contaminated with chlorinated hydrocarbons above the NYS drinking water standards. One public water supply well downgradient of the site is closed and treatment is scheduled to be installed before the wells are used again. Another public supply well has been monitored monthly and no contamination has been found. The site is completely fenced, and any hazardous materials that may be present are buried by fill material and not accessible for human contact. Future investigations will determine whether this site contributed to the groundwater contamination in the area, and whether any soil vapor contamination has occurred.

APPENDIX J

EPA Potential Hazardous Waste Site,
Site Inspection Report Form 2070-13

SYL00115060



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE NYD 02 SITE NUMBER 986888899

II. SITE NAME AND LOCATION

01 SITE NAME (Legal name or descriptive name of site) AGO Associates		02 STREET, ROUTE NO. OR SPECIFIC LOCATION IDENTIFIER West John Street		
03 CITY Hicksville	04 STATE NY	05 ZIP CODE 11753	06 COUNTY Nassau	07 COUNTY CODE DIS
08 COORDINATES LATITUDE LONGITUDE		10 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER <input type="checkbox"/> G. UNKNOWN		

III. INSPECTION INFORMATION

09 DATE OF INSPECTION 08/07/90 MONTH DAY YEAR	02 SITE STATUS <input checked="" type="checkbox"/> ACTIVE <input type="checkbox"/> INACTIVE	03 YEARS OF OPERATION 1963 1979 BEGINNING YEAR ENDING YEAR
04 AGENCY PERFORMING INSPECTION (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. MUNICIPAL <input type="checkbox"/> D. MUNICIPAL CONTRACTOR <input type="checkbox"/> E. STATE <input checked="" type="checkbox"/> F. STATE CONTRACTOR Roux Associates, Inc. <input type="checkbox"/> G. OTHER		

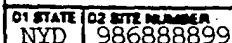
05 CHIEF INSPECTOR Eric Arnesen	06 TITLE Project Hydrogeologist	07 ORGANIZATION Roux Assoc.	08 TELEPHONE NO. 616) 673-7200
09 OTHER INSPECTORS Diane Miller	10 TITLE Staff Scientist	11 ORGANIZATION Roux Assoc.	12 TELEPHONE NO. 616) 673-7200
John Soderberg	Attorney	Farrel & Fritz	4516 832-1000
Tom Fox	Hydrogeologist	Galli Engineering	616) 754-0396
Edward Wong	Hydrogeologist	Galli Engineering	616) 754-0396
			()

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO.
			()
			()
			()
			()
			()
			()
			()

17 ACCESS GAINED BY (Check one) <input checked="" type="checkbox"/> PERMISSION <input type="checkbox"/> WARRANT	18 TIME OF INSPECTION 9:15am	19 WEATHER CONDITIONS Humid and raining 80's
--	---------------------------------	---

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO. ()
04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM Eric Arnesen	05 AGENCY	06 ORGANIZATION Roux Assoc.
	07 TELEPHONE NO. (516)673-7200	08 DATE 10/10/91 MONTH DAY YEAR



☐ I. HIGHLY VOLATILE
☐ J. EXPLOSIVE
☐ K. REACTIVE
☐ L. INCOMPATIBLE
☒ M. NOT APPLICABLE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS	>100 Drums		
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

[illegible]

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	Not applicable		FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

EPA FORM 2070-12 (7-81)



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
NYD 986888899

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE 03/26/27/91) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED 233,909 04 NARRATIVE DESCRIPTION

- Low levels of volatiles. Also metals which can be attributed to permitted landfill materials.

01 ☐ B SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

None reported
No local surface water bodies downgradient of site

01 ☐ C CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

None reported

01 ☐ D FIRE EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

None reported

01 ☒ E DIRECT CONTACT 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

None reported

01 ☒ F CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED 14.4 04 NARRATIVE DESCRIPTION
(ACRES)

14 soil samples taken NYSDEC
Detected low levels of pesticides and Volatile organic compounds.

01 ☒ G DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

None reported

01 ☐ H WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

None reported

01 ☐ I POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

None reported



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
NYD 986888899

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J DAMAGE TO FLORA 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None reported

01 ☐ K DAMAGE TO FAUNA 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include reports of species)

None reported

01 ☐ L CONTAMINATION OF FOOD CHAIN 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None reported

01 ☒ M UNSTABLE CONTAINMENT OF WASTES 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
(Solid, Liquid, Sludge, Gas, Volatile, Non-volatile, etc.)
03 POPULATION POTENTIALLY AFFECTED 233,909 04 NARRATIVE DESCRIPTION

No Liner

01 ☐ N DAMAGE TO OFFSITE PROPERTY 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None reported

01 ☐ O CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None reported

01 ☒ P ILLEGAL/UNAUTHORIZED DUMPING 02 ☐ OBSERVED (DATE 10/22/74) ☐ POTENTIAL ☒ ALLEGED
04 NARRATIVE DESCRIPTION

~ 100 (55 gallon) drums of industrial solvents, laquers and thinners. All were removed from the site.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 233,909

IV. COMMENTS

V. SOURCES OF INFORMATION (City, County, State, Federal, etc.)

NYSDEC file, EPA files, site inspection



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
NYD 986888899

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
<input type="checkbox"/> A NPDES				
<input type="checkbox"/> B UIC				
<input type="checkbox"/> C AIR				
<input type="checkbox"/> D RCRA				
<input type="checkbox"/> E RCRA INTERIM STATUS				
<input type="checkbox"/> F BPCC PLAN				
<input type="checkbox"/> G STATE <small>Specify</small>				
<input type="checkbox"/> H LOCAL <small>Specify</small>				
<input type="checkbox"/> I OTHER <small>Specify</small>				
<input type="checkbox"/> J NONE				

III. SITE DESCRIPTION

01 STORAGE DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT (Check all that apply)	05 OTHER
<input type="checkbox"/> A SURFACE IMPOUNDMENT			<input type="checkbox"/> A INCINERATION	<input checked="" type="checkbox"/> A BUILDINGS ON SITE
<input type="checkbox"/> B PILES			<input type="checkbox"/> B UNDERGROUND INJECTION	
<input checked="" type="checkbox"/> C DRUMS ABOVE GROUND	~100	55 gallons	<input type="checkbox"/> C CHEMICAL/PHYSICAL	06 AREA OF SITE 14.4 <small>(Acres)</small>
<input type="checkbox"/> D TANK ABOVE GROUND			<input type="checkbox"/> D BIOLOGICAL	
<input type="checkbox"/> E TANK BELOW GROUND			<input type="checkbox"/> E WASTE OIL PROCESSING	
<input checked="" type="checkbox"/> F LANDFILL	Unknown		<input type="checkbox"/> F SOLVENT RECOVERY	
<input type="checkbox"/> G LANDFARM			<input type="checkbox"/> G OTHER RECYCLING/RECOVERY	
<input type="checkbox"/> H OPEN DUMP			<input type="checkbox"/> H OTHER <small>(Specify)</small>	
<input type="checkbox"/> I OTHER <small>(Specify)</small>				

07 COMMENTS

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A ADEQUATE SECURE ☐ B MODERATE ☒ C INADEQUATE, POOR ☐ D INSECURE UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS DRUM LINERS, BARRIERS ETC

100 - 55 gallondrum were on-site but were removed.
The landfill is completely covered

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE ☐ YES ☒ NO
02 COMMENTS

All waste have been adequately covered.

VI. SOURCES OF INFORMATION (List sources used to obtain information for this report)

NYSDEC file, EPA files.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
NYD 986888899

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check all that apply)	02 STATUS	03 DISTANCE TO SITE															
<table border="1"><tr><td>SURFACE</td><td>WELL</td></tr><tr><td>COMMUNITY A <input type="checkbox"/></td><td>B <input checked="" type="checkbox"/></td></tr><tr><td>NON-COMMUNITY C <input type="checkbox"/></td><td>D <input checked="" type="checkbox"/></td></tr></table>	SURFACE	WELL	COMMUNITY A <input type="checkbox"/>	B <input checked="" type="checkbox"/>	NON-COMMUNITY C <input type="checkbox"/>	D <input checked="" type="checkbox"/>	<table border="1"><tr><td>ENDANGERED</td><td>AFFECTED</td><td>MONITORED</td></tr><tr><td>A <input type="checkbox"/></td><td>B <input type="checkbox"/></td><td>C <input type="checkbox"/></td></tr><tr><td>D <input type="checkbox"/></td><td>E <input type="checkbox"/></td><td>F <input type="checkbox"/></td></tr></table>	ENDANGERED	AFFECTED	MONITORED	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>	E <input type="checkbox"/>	F <input type="checkbox"/>	A _____ (mi) B _____ (mi)
SURFACE	WELL																
COMMUNITY A <input type="checkbox"/>	B <input checked="" type="checkbox"/>																
NON-COMMUNITY C <input type="checkbox"/>	D <input checked="" type="checkbox"/>																
ENDANGERED	AFFECTED	MONITORED															
A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>															
D <input type="checkbox"/>	E <input type="checkbox"/>	F <input type="checkbox"/>															

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☒ A ONLY SOURCE FOR DRINKING ☐ B DRINKING
(Other source available)
COMMERCIAL, INDUSTRIAL, IRRIGATION
(No other water source available)

☐ C COMMERCIAL, INDUSTRIAL IRRIGATION
(Limited other source available)

☐ D NOT USED, UNUSABLE

02 POPULATION SERVED BY GROUND WATER	03 DISTANCE TO NEAREST DRINKING WATER WELL
233,909	1.21 (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
50 (ft)	South East	~ 50 (ft)	Unknown (gpd)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

09 DESCRIPTION OF WELLS (including depth, status, and location relative to buildings and buildings)

The area is served by water district wells.
There are approximately 7 water district wells in the area.

10 RECHARGE AREA	11 DISCHARGE AREA
<input checked="" type="checkbox"/> YES COMMENTS: Portions of site recharge local aquifers	<input type="checkbox"/> YES COMMENTS: <input checked="" type="checkbox"/> NO

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☒ A RESERVOIR RECREATION DRINKING WATER SOURCE ☐ B IRRIGATION ECONOMICALLY IMPORTANT RESOURCES ☐ C COMMERCIAL, INDUSTRIAL ☐ D NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME	AFFECTED	DISTANCE TO SITE
None in close Proximity of the site (3 miles or less)	<input type="checkbox"/>	_____ (mi)
_____	<input type="checkbox"/>	_____ (mi)
_____	<input type="checkbox"/>	_____ (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN	02 DISTANCE TO NEAREST POPULATION						
<table border="1"><tr><td>ONE (1) MILE OF SITE</td><td>TWO (2) MILES OF SITE</td><td>THREE (3) MILES OF SITE</td></tr><tr><td>A 16,000 NO. OF PERSONS</td><td>B _____ NO. OF PERSONS</td><td>C _____ NO. OF PERSONS</td></tr></table>	ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE	A 16,000 NO. OF PERSONS	B _____ NO. OF PERSONS	C _____ NO. OF PERSONS	1.2 (mi)
ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE					
A 16,000 NO. OF PERSONS	B _____ NO. OF PERSONS	C _____ NO. OF PERSONS					

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE	04 DISTANCE TO NEAREST OFF-SITE BUILDING
2,000	0.2 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site - e.g., rural village, suburban development, urban area)

Area is comprised of commercial and residential population.

SYL00115066



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
NYD 986888899

VI. ENVIRONMENTAL INFORMATION

D1 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A $10^{-8} - 10^{-6}$ cm/sec ☐ B $10^{-6} - 10^{-5}$ cm/sec ☐ C $10^{-5} - 10^{-3}$ cm/sec ☒ D GREATER THAN 10^{-3} cm/sec

D2 PERMEABILITY OF BEDROCK (Check one)

☒ A IMPERMEABLE (Less than 10^{-8} cm/sec) ☐ B RELATIVELY IMPERMEABLE ($10^{-8} - 10^{-6}$ cm/sec) ☐ C RELATIVELY PERMEABLE ($10^{-6} - 10^{-5}$ cm/sec) ☐ D VERY PERMEABLE (Greater than 10^{-5} cm/sec)

D3 DEPTH TO BEDROCK

1,000 (ft)

D4 DEPTH OF CONTAMINATED SOIL ZONE

Unknown (ft)

D5 SOIL DM

Unknown

D6 NET PRECIPITATION

15 (in)

D7 ONE YEAR 24 HOUR RAINFALL

2.8 (in)

D8 SLOPE
SITE SLOPE
0-2 %

DIRECTION OF SITE SLOPE
South East

TERRAIN AVERAGE SLOPE
0-2 %

D9 FLOOD POTENTIAL

SITE IS IN 50 YEAR FLOODPLAIN

10

☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

D10 DISTANCE TO WETLANDS (See map)

ESTUARINE

OTHER

A _____ (mi)

B _____ (mi)

D12 DISTANCE TO CRITICAL HABITAT (See map)

ENDANGERED SPECIES _____

D13 LAND USE (See map)

DISTANCE TO

COMMERCIAL/INDUSTRIAL

RESIDENTIAL AREAS NATIONAL STATE PARKS
FORESTS, OR WILDLIFE RESERVES

AGRICULTURAL LANDS
PRIME AG LAND AG LAND

A On-Site (mi)

B .12 (mi)

C _____ (mi)

D _____ (mi)

D14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

The site is located in west central long island at 120 feet above mean sea level. The regional slope is 0-2% to the south. very sandy soils exist at the site.

VII. SOURCES OF INFORMATION (See map)

NYSDEC files, site inspection.

SYL00115067



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
NYD 986888899

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	6	H2M Laboratories, Melville, N.Y.	04/30/91
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPL			
SOIL	14	NANCO Laboratories, Inc.	02/09/88
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
pH, conductivity Temperature	Slightly low pH

IV. PHOTOGRAPHS AND MAPS

01 TYPE <input type="checkbox"/> GROUND <input checked="" type="checkbox"/> AERIAL	02 IN CUSTODY OF <u>Roux Associates, Inc.</u>
03 MAPS <input type="checkbox"/> YES <input type="checkbox"/> NO	04 LOCATION OF MAPS

V. OTHER FIELD DATA COLLECTED

Aquifer transmissivity data
Geologic analysis of soils

VI. SOURCES OF INFORMATION

Field inspection and sampling, NYSDEC files

SYL00115068



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
NYD 986888899

II. CURRENT OPERATOR (Provide a different form number)				OPERATOR'S PARENT COMPANY (if necessary)			
01 NAME Twin County Asphalt Corp.		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, APO, etc.) 449 West John Street		04 SIC CODE		12 STREET ADDRESS (P.O. Box, APO, etc.)		13 SIC CODE	
05 CITY Hicksville		06 STATE NY	07 ZIP CODE 11801	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER					
III. PREVIOUS OPERATOR(S) (Use a different form number for each operator)				PREVIOUS OPERATORS' PARENT COMPANIES (if necessary)			
01 NAME AGO Associates		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, APO, etc.) West John Street		04 SIC CODE		12 STREET ADDRESS (P.O. Box, APO, etc.)		13 SIC CODE	
05 CITY Hicksville		06 STATE NY	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION 6		09 NAME OF OWNER DURING THIS PERIOD Anodmudas, Greene, and O'Connell					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, APO, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, APO, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, APO, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, APO, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, APO, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, APO, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
IV. SOURCES OF INFORMATION (Use a different form number for each source)							
<p>Twin County Asphalt occupies most of the property but several other property owners are also on the site. agway Inc., 499 West John Street J.D. Tom for transportation company, 445 West John Street Alpha John Associates, address unknown</p> <p>Sources of information Site inspection, NYSDEC files.</p>							



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
NYD 986888899

II. CURRENT OWNER(S)				PARENT COMPANY - CURRENT OWNERS			
01 NAME - Twin County Asphalt Corp.		02 D+B NUMBER		06 NAME - Trinon Development Corp.		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, APO, etc.) 449 West John Street		04 SIC CODE		10 STREET ADDRESS (P.O. Box, APO, etc.) Unknown		11 SIC CODE	
05 CITY Hicksville		06 STATE 07 ZIP CODE NY 11801		12 CITY		13 STATE 14 ZIP CODE	
01 NAME - Agway, Inc.		02 D+B NUMBER		06 NAME -		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, APO, etc.) 499 West John Street		04 SIC CODE		10 STREET ADDRESS (P.O. Box, APO, etc.)		11 SIC CODE	
05 CITY Hicksville		06 STATE 07 ZIP CODE NY 11801		12 CITY		13 STATE 14 ZIP CODE	
01 NAME J.D. Tomfor Transp. Co.		02 D+B NUMBER		06 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, APO, etc.) 445 West John Street		04 SIC CODE		10 STREET ADDRESS (P.O. Box, APO, etc.)		11 SIC CODE	
05 CITY Hicksville		06 STATE 07 ZIP CODE NY 11801		12 CITY		13 STATE 14 ZIP CODE	
01 NAME Alpha John Associates		02 D+B NUMBER		06 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, APO, etc.) Unknown		04 SIC CODE		10 STREET ADDRESS (P.O. Box, APO, etc.)		11 SIC CODE	
05 CITY Unknown		06 STATE 07 ZIP CODE		12 CITY		13 STATE 14 ZIP CODE	
III. PREVIOUS OWNER(S) - (See Part I, Section 1.1)				IV. REALTY OWNER(S) - (See Part I, Section 1.1)			
01 NAME Charles Andromidas		02 D+B NUMBER		01 NAME AGO Associates		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, APO, etc.) 742 Lakeside Drive		04 SIC CODE		03 STREET ADDRESS (P.O. Box, APO, etc.) West John Street		04 SIC CODE	
05 CITY North Palm Beach		06 STATE 07 ZIP CODE FL 33408		05 CITY Hicksville		06 STATE 07 ZIP CODE NY 11753	
01 NAME Aaron Green and Morris Green		02 D+B NUMBER		01 NAME AGO Associates		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, APO, etc.) Not Available		04 SIC CODE		03 STREET ADDRESS (P.O. Box, APO, etc.)		04 SIC CODE	
05 CITY		06 STATE 07 ZIP CODE		05 CITY		06 STATE 07 ZIP CODE	
01 NAME Jimmy O'Connell		02 D+B NUMBER		01 NAME AGO Associates		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, APO, etc.) Not Available		04 SIC CODE		03 STREET ADDRESS (P.O. Box, APO, etc.)		04 SIC CODE	
05 CITY		06 STATE 07 ZIP CODE		05 CITY		06 STATE 07 ZIP CODE	
V. SOURCES OF INFORMATION (See Part I, Section 1.1)							
NYSDEC files							



New York State

Department of Environmental Conservation

Division of Environmental Remediation

**Registry of
Inactive Hazardous Waste Disposal Sites
in New York State**

**Volume 1 - List of Sites in:
Nassau County
Suffolk County**

April 2002

**A Joint Report of the
New York State Departments of Environmental Conservation and Health
George E. Pataki, *Governor* Erin M. Crotty, *Commissioner***

NYL00115186

Registry of Inactive Hazardous Waste Disposal Sites in New York State

Annual Report

Appendix G

Volume 1

List of Registry Sites in:

Nassau County
Suffolk County

Prepared by the:

Division of Environmental Remediation
New York State Department of Environmental Conservation

Erin M. Crotty, Commissioner

in cooperation with the:

Division of Environmental Health Assessment
New York State Department of Health

Antonia C. Novello, Commissioner

The Honorable George E. Pataki, Governor

April 2002

SYL00115187

**Registry of
Inactive Hazardous Waste Disposal Sites
in New York State**

Appendix G of the April 2002 Annual Report

Volume 1

The Department of Environmental Conservation (DEC) is charged with the responsibility of administering the investigation and cleanup of inactive hazardous waste disposal sites within New York State. The DEC must also maintain accurate records for each hazardous waste disposal site and identify such sites in a list known as the *Registry*, prepare an *Annual Report* of all sites listed in the *Registry*, and routinely collect and maintain information about each *Registry* site in order to facilitate sound decision making practices.

Volume 1 of the *Registry* is a compilation of all *Inactive Hazardous Waste Disposal Reports* for every known inactive hazardous disposal waste disposal site listed in the *Registry* as of April 1, 2002 and located within Nassau County and Suffolk County. These counties are grouped together and comprise DEC Region 1.

The *Inactive Hazardous Waste Disposal Reports* bound within this volume provide a summary of all information available for each site through April 1, 2002 along with a brief assessment of environmental and health related conditions for each site. Basic information such as the assigned DEC identification number, the name of the site, the municipality that the site is located within, the county that the site is located within, the NPL status, and the assigned classification for the site is also included.

Each listed *Registry* site is assigned a classification according to one of the following codes:

- Class 1 Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or environment - immediate action required;
- Class 2 Significant threat to the public health or environment - action required;
- Class 2a Temporary classification assigned to sites that have inadequate and/or insufficient data for inclusion in any of the other classifications;
- Class 3 Does not present a significant threat to the public health or the environment - action may be deferred;
- Class 4 Site is properly closed - requires continued management;
- Class 5 Site properly closed, no evidence of present or potential adverse impact - no further action is required.

This document represents the compilation of information from several different sources and it is probable that some of the information presented on any one of the individual *Disposal Reports* contained herein may be inaccurate. The Department of Environmental Conservation will make every effort to correct such errors in subsequent *Disposal Reports* and will appreciate any assistance in this effort.

Corrections or information about any additional sites, may be reported to the appropriate DEC Regional Office or by contacting the Director of the Bureau of Hazardous Site Control / New York State Department of Environmental Conservation / Division of Environmental Remediation - 11th Floor / 625 Broadway / Albany, NY 12233-7014.

Glossary

Some of the common terms and acronyms that may appear in an *Inactive Hazardous Waste Disposal Report* contained within Volume 1 of the *Registry* include:

AG	acronym for the Attorney General.
ATSDR	acronym for the Agency for Toxic Substances and Disease Registry. (Federal)
BHC	acronym for benzene hexachloride (synonymous with 1,2,3,4,5,6-hexachlorocyclohexane; gammexane; and hexachlorocyclohexane) . . . a toxic, persistent organochloride pesticide.
BTX	acronym for benzene, toluene, and xylene . . . some components of petroleum.
C&D	acronym for Construction and Demolition Debris.
CERCLA	acronym for the Comprehensive Environmental Response, Compensation and Liability Act of 1980 . . . also known as Federal Superfund.
CO	acronym for a Consent Order.
DEC	acronym for the New York State Department of Environmental Conservation.
DEE	acronym for the Division of Environmental Enforcement. (DEC)
DER	acronym for the Division of Environmental Remediation. (DEC)
DOE	acronym for the United States Department of Energy.
DOH	acronym for the New York State Department of Health.
DOT	acronym for the New York State Department of Transportation.
DPW	acronym for the Department of Public Works.
DSHM	acronym for the Division of Solid and Hazardous Materials. (DEC)
ECDEP	acronym for the Erie County Department of Environment and Planning.
EMC	acronym for the Environmental Management Council. (County)
EPA	acronym for the United States Environmental Protection Agency (synonymous with USEPA).
EP Toxicity	A chemical test used to measure the leaching potential of certain hazardous substances.
EQBA	acronym for the Environmental Quality Bond Act of 1986.
FSF	acronym for Federal Superfund. (see CERCLA)
GW	acronym for the Groundwater.
HRS	acronym for the Hazard Ranking System.
IRM	acronym for an Interim Remedial Measure.
MCL	acronym for a Maximum Contaminant Limit.
MEK	acronym for methyl ethyl ketone (synonymous with 2-butanone; ethyl methyl ketone; and methyl acetone) . . . a common solvent used in the manufacture of adhesives and vinyl films.
MIBK	acronym for methyl isobutyl ketone (synonymous with 4-methyl-2-pentanone; hexone; isobutyl methyl ketone; and isopropyl-acetone) . . . a common solvent used in paint, varnish, and lacquer.
MW	acronym for a Monitoring Well.
MTA	acronym for the Metropolitan Transportation Authority.
MTBE	acronym for methyl tert-butyl ether (synonymous with methyl t-butyl ether; methyl-1,1-dimethyl ethyl ether; t-butyl methyl ether; tert-butyl methyl ether; and 2-methoxy-2-methylpropane;) . . . a synthetic additive used in reformulated gasoline to boost octane.
NFTA	acronym for the Niagara Frontier Transportation Authority.
NPL	acronym for the National Priorities List.
NYCDOS	acronym for the New York City Department of Sanitation.
NYCRR	acronym for the New York Code of Rules and Regulations.
OGS	acronym for the New York State Office of General Services.
Part 212	the series of NYS Regulations regarding Air General Emission Sources.
Part 360	the series of NYS Regulations regarding Solid Waste Facilities.
Part 364	the series of NYS Regulations regarding Solid Waste Transportation.
Part 371	the series of NYS Regulations regarding the Identification of Hazardous Wastes.
Part 373	the series of NYS Regulations regarding Hazardous Waste Facilities.
Part 703	the series of NYS Regulations regarding Groundwater.
PA	acronym for a Preliminary Assessment. (USEPA)
PAHs	acronym for polynuclear (or polycyclic) aromatic hydrocarbons . . . a series of organic compounds that are formed during the combustion of any fossil fuel. A partial list of PAH compounds includes: benz[a]anthracene; benzo[a]pyrene; benzo[b]fluoranthene; benzo[ghi]perylene; benzo[j]fluoranthene; benzo[k]fluoranthene; dibenz[a,h]anthracene; fluoranthene; indeno[1,2,3-cd]pyrene; and pyrene.
PCBs	acronym for polychlorinated biphenyls (synonymous with Aroclor; Chlorextol; Dykanol; Pyranol; and other Trade names) . . . a group of synthetic, organic chlorinated compounds formerly used in variable blends as a fluid in heat transfer systems and hydraulic systems; as a plasticizer in the manufacture of adhesives, textiles, and carbon-less copy paper; as a dielectric fluid in the manufacture of capacitors and transformers; et cetera.

Glossary Continued

PCE	an irregular acronym for 1,1,2,2-tetrachloroethylene (synonymous with carbon bichloride; carbon dichloride; ethylene tetrachloride; perchloroethylene; perclene; tetrachloroethene; and tetrachloroethylene) ... a solvent commonly used as a dry cleaning agent or as a degreaser.
Perc	see PCE.
Phase I	a preliminary investigation of site location and history. (DEC)
Phase II	a preliminary investigation of site conditions that may include evaluations of the groundwater, surface water and soils at and near the site. (DEC)
PNAs	acronym for polynuclear aromatics. See PAHs.
POTW	acronym for Publicly Owned Treatment Works.
ppb	abbreviation for parts per billion (1 ppb equals 1 part out of 1,000,000,000 parts).
ppm	abbreviation for parts per million (1 ppm equals 1 part out of 1,000,000 parts).
ppt	abbreviation for parts per trillion (1 ppt equals 1 part out of 1,000,000,000,000 parts).
PRAP	acronym for a Proposed Remedial Action Plan.
PRP	acronym for a Potentially Responsible Party.
PSA	acronym for a Preliminary Site Assessment. (DEC)
RAMP	acronym for a Remedial Action Management Plan.
RCRA	acronym for the Resource Conservation and Recovery Act - Administered by DSHM.
RD/RA	acronym for a Remedial Design / Remedial Action.
RI/FS	acronym for a Remedial Investigation / Feasibility Study.
ROD	acronym for a Record of Decision.
RP	acronym for a Responsible Party.
RTK	acronym for the Community Right To Know program - NYS Executive Order No. 33.
SARA	acronym for the Superfund Amendments Reauthorization Act. (Federal)
SI	acronym for a Site Investigation. (USEPA)
SPDES	acronym for the State Pollution Discharge and Elimination System.
SSF	acronym for State Superfund.
STP	acronym for a Sewage Treatment Plant.
SW	acronym for the Surface Water.
SWMU	acronym for a Solid Waste Management Unit.
SVOCs	acronym for Semi-volatile Organic Compounds.
TCA	an irregular acronym for 1,1,1-trichloroethane (synonymous with chloroethene; methyl chloroform; methyltrichloromethane; and alpha-trichloroethane) ... a solvent commonly used as a degreaser, as a cleaning agent for fabricated metal parts, and as an agent in some dry cleaning applications.
TCDD	acronym for 2,3,7,8-tetrachlorodibenzo-p-dioxin (synonymous with 2,3,7,8-TCDD and dioxin) ... an extremely toxic impurity that may form during the production of 2,4,5-trichlorophenol and that may be an inadvertent contaminant in that compound. (2,4,5-trichlorophenol was formerly used in the manufacture of the herbicide Silvex and directly as an algaecide, bactericide, and fungicide.) 2,3,7,8-tetrachlorodibenzo-p-dioxin may also be formed during the combustion of some chlorinated organic compounds such as PCBs or chlorinated benzenes.
TCDF	acronym for 2,3,7,8-tetrachlorodibenzofuran (synonymous with 2,3,7,8-TCDF) ... an extremely toxic impurity that may form during the production of polychlorinated biphenyls (PCBs) and that may be an inadvertent contaminant in those compounds. 2,3,7,8-tetrachlorodibenzofuran may also form, under certain conditions, during the production of chlorophenols and may be an inadvertent contaminant in those compounds.
TCE	an irregular acronym for trichloroethylene (synonymous with acetylene trichloride; ethylene trichloride; trichloroethene; 1,1-dichloro-2-chloroethylene; and 1,1,2-trichloroethylene) ... a solvent commonly used as a degreaser; as a dry cleaning agent; as an agent to remove caffeine from coffee; and as an ingredient in the manufacture of some pesticides, resins, paints, and varnishes.
TCL	acronym for the Target Compound List.
TCLP	acronym for the Toxicity Characteristic Leaching Procedure.
THC	acronym for Total Halogenated Compounds.
Title 3	acronym for the Grants to Municipalities from the EQBA of 1986. (DEC)
TOCs	acronym for Total Organic Compounds.
TSDF	acronym for an hazardous waste treatment, storage or disposal facility.
USEPA	acronym for the United States Environmental Protection Agency (synonymous with EPA).
USGS	acronym for the United States Geological Survey.
VOCs	acronym for Volatile Organic Compounds.
WWTP	acronym for a Waste Water Treatment Plant.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Region 1

Summary of Inactive Hazardous Waste Disposal Sites in New York State

Site Name	City / Town / Village	County	Class	NPL Status	Site Number	Page
Old Bethpage Landfill	Old Bethpage	Nassau	4	NPL	130001	1 - 1
Northrop Grumman-Bethpage Facility	Bethpage	Nassau	2	---	130003A	1 - 3
Naval Weapons Ind. Reserve Plant	Bethpage	Nassau	2	---	130003B	1 - 5
Northrop Grumman-Steel Los Plant 2	Bethpage	Nassau	4	---	130003C	1 - 7
RUCO Polymer Corporation (Hooker Chem)	Hicksville	Nassau	2	NPL	130004	1 - 9
Liberty Industrial Finishing (4 J's Co.)	Farmingdale	Nassau	2	NPL	130005	1 - 11
Shore Realty Corporation (AES)	Glenwood Landing	Nassau	4	NPL	130006	1 - 13
Photocircuits Corporation	Glen Cove	Nassau	2	---	130009	1 - 15
Syosset Landfill	Syosset	Nassau	2	NPL	130011	1 - 17
Purex-Mitchell Field	Garden City	Nassau	4	---	130014	1 - 19
Claremont Poly Chemical Corporation	Old Bethpage	Nassau	2	NPL	130015	1 - 21
Pasley Solvents & Chemicals, Inc.	Garden City	Nassau	2	NPL	130016	1 - 23
Mattiace Petro Chemicals	Glenwood Landing	Nassau	2	NPL	130017	1 - 25
Genzale Plating Company	Franklin Square	Nassau	2	NPL	130018	1 - 27
General Instruments Corporation	Hicksville	Nassau	2	---	130020	1 - 29
Anchor Lith Kern Ko (Anchor Chem)	Hicksville	Nassau	2	---	130021	1 - 31
Port Washington LF (N. Hempstead LF)	Port Washington	Nassau	2	NPL	130025	1 - 33
Three Dimensional Circuits	Plainview	Nassau	4	---	130026	1 - 35
Alsy Manufacturing, Inc.	Hicksville	Nassau	2	---	130027	1 - 37
Powers Chemco	Glen Cove	Nassau	4	---	130028	1 - 39
Autotronic Products, Inc.	Hempstead	Nassau	3	---	130030	1 - 41
Magnusonics Devices	Hicksville	Nassau	2	---	130031	1 - 43
Captain's Cove Condominiums	Glen Cove	Nassau	2	---	130032	1 - 45
Penetrex Processing Company	Glenwood Landing	Nassau	2	---	130034	1 - 47
Harder Tree Service	Hempstead	Nassau	2	---	130035	1 - 49
Air Techniques, Inc. (formerly Sylvania)	Hicksville	Nassau	4	---	130040	1 - 51
Fumex Sanitation, Inc.	Garden City Park	Nassau	2	---	130041	1 - 53
Nassau County Fire Training Center	Old Bethpage	Nassau	2	---	130042	1 - 55
IMC Magnetics	New Cassel	Nassau	2	---	130043A	1 - 57
Atlas Graphics	New Cassel	Nassau	2	---	130043B	1 - 59
Tishcon Corporation - 125 State Street	New Cassel	Nassau	4	---	130043C	1 - 61
Arkwin Industries	New Cassel	Nassau	2	---	130043D	1 - 63
Tishcon Corporation	New Cassel	Nassau	2	---	130043E	1 - 65
Utility Manufacturing/Wonder King	New Cassel	Nassau	2	---	130043H	1 - 67
Former Autoline Automotive Corporation	New Cassel	Nassau	2	---	130043I	1 - 69
Former LAKA Industries, Inc.	New Cassel	Nassau	2	---	130043K	1 - 71
89 Frost Street Site	New Cassel	Nassau	2	---	130043L	1 - 73
Former Applied Fluidics	New Cassel	Nassau	2	---	130043M	1 - 75
EZ-EM, Inc.	New Cassel	Nassau	4	---	130043N	1 - 77
118 to 130 Swalm Street	New Cassel	Nassau	2	---	130043P	1 - 79

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Region 1

Summary of Inactive Hazardous Waste Disposal Sites in New York State

Site Name	City / Town / Village	County	Class	NPL Status	Site Number	Page
299 Main Street	New Cassel	Nassau	2	---	130043S	1 - 81
36 Sylvester Street Site	New Cassel	Nassau	2	---	130043U	1 - 83
Tishcon Corporation - New York Avenue	New Cassel	Nassau	2	---	130043V	1 - 85
Unisys Corporation	Lake Success	Nassau	2	---	130045	1 - 87
Li Tungsten	Glen Cove	Nassau	2	NPL	130046	1 - 89
Manfred F J Schulte	New Hyde Park	Nassau	2	---	130047	1 - 91
Bowe Systems and Machinery	Hicksville	Nassau	4	---	130048	1 - 93
American Drive-In Cleaners	Levittown	Nassau	2	---	130049	1 - 95
Franklin Cleaners	Hempstead	Nassau	2	---	130050	1 - 97
Old Roosevelt Air Field Hangar Site	Garden City	Nassau	2	NPL	130051	1 - 99
Columbia Cement Company, Inc.	Freeport	Nassau	2	---	130052	1 - 101
Pass and Seymour	Glen Cove	Nassau	2	---	130053A	1 - 103
Pall Corporation	Glen Cove	Nassau	2	---	130053B	1 - 105
Crown Dykman	Glen Cove	Nassau	2	---	130054	1 - 107
Gent Uniform Rental Service	Massapequa	Nassau	2	---	130056	1 - 109
Tres Bon Cleaners	Franklin Square	Nassau	2	---	130058	1 - 111
Grove Cleaners	Hewlett	Nassau	2	---	130059	1 - 113
Gentle as a Lamb Cleaners	North Merrick	Nassau	4	---	130060	1 - 115
425 Merrick Avenue	New Cassel	Nassau	2	---	130061	1 - 117
Nassau Uniform Service	Freeport	Nassau	2	---	130063	1 - 119
Wantagh Cleaners	Wantagh	Nassau	2	---	130064	1 - 121
Minuteman Cleaners	East Massapequa	Nassau	2	---	130065	1 - 123
Railroad Dry Cleaners	Oceanside	Nassau	2	---	130066	1 - 125
Mayflower Cleaners	Great Neck	Nassau	2	---	130068	1 - 127
Citizens Development Company	Great Neck	Nassau	2	---	130070	1 - 129
Ronhill Cleaners	Glen Cove	Nassau	2	---	130071	1 - 131
Stanton Cleaners	Great Neck	Nassau	2	NPL	130072	1 - 133
Fulton Avenue (Garden City Park Indust.)	Garden City Park	Nassau	2	NPL	130073	1 - 135
Town Sheet Metal	Garden City Park	Nassau	3	---	130073E	1 - 137
Bartlett Tree Company	New Cassel	Nassau	2	---	130074	1 - 139
100 Commercial Street	Plainview	Nassau	2a	---	130075	1 - 141
Jimmy's Dry Cleaner	Roosevelt	Nassau	2	---	130080	1 - 143
Former Munsey Cleaners	Port Washington	Nassau	2	---	130081	1 - 145
Hercules Machine Sales Company	Oceanside	Nassau	2	---	130083	1 - 147
101 Green Acres Road Site	Valley Stream	Nassau	4	---	130084	1 - 149
123 Post Avenue	New Cassel	Nassau	2	---	130088	1 - 151
525 to 535 Burnside Avenue	Inwood	Nassau	2	---	130091	1 - 153
Jackson Steel	Mineola	Nassau	2	NPL	130095	1 - 155
Top-Notch Cleaners	Hempstead	Nassau	2	---	130096	1 - 157
Techem, Inc.	Garden City Park	Nassau	2	---	130097	1 - 159

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Region 1

Summary of Inactive Hazardous Waste Disposal Sites in New York State

Site Name	City / Town / Village	County	Class	NPL Status	Site Number	Page
A K Allen	Mineola	Nassau	2	---	130100	1 - 161
Trans Technology	Glen Head	Nassau	2	---	130101	1 - 163
Metal Etching Company, Inc.	Freeport	Nassau	2	---	130110	1 - 165
Former Fresh & Clean Laundry	Glen Head	Nassau	2	---	130111	1 - 167
Blydenburgh Landfill - Town of Islip	Hauppauge	Suffolk	4	NPL	152002	1 - 169
Deutsch Relays, Inc.	East Northport	Suffolk	2	---	152003	1 - 171
Jameco Industries, Inc.	Wyandanch	Suffolk	2	---	152006	1 - 173
Brookhaven National Laboratory	Upton	Suffolk	2	NPL	152009	1 - 175
RCA - Rocky Point	Rocky Point	Suffolk	2	---	152011	1 - 177
Sonia Road Landfill	West Brentwood	Suffolk	2	---	152013	1 - 179
Chemical Pollution Control	Bay Shore	Suffolk	2a	---	152015	1 - 181
Lawrence Aviation Industries	Port Jefferson Station	Suffolk	2	NPL	152016	1 - 183
MacKenzie Chemical Company	Central Islip	Suffolk	2	NPL	152017	1 - 185
Cantor Brothers, Inc.	Farmingdale	Suffolk	2	---	152021	1 - 187
Goldisc Recording	Holbrook	Suffolk	2	NPL	152022	1 - 189
Pride Solvents and Chemical Company	West Babylon	Suffolk	2	---	152025	1 - 191
SMS Instruments, Inc.	Deer Park	Suffolk	2	NPL	152026	1 - 193
US Electroplating Corporation	West Babylon	Suffolk	2	---	152027	1 - 195
Spectrum Finishing Corporation	West Babylon	Suffolk	2	---	152029	1 - 197
Preferred Plating	Farmingdale	Suffolk	4	NPL	152030	1 - 199
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Computer Circuits	Hauppauge	Suffolk	2	NPL	152034	1 - 205
Cardwell Condenser Corporation	Lindenhurst	Suffolk	2	---	152035	1 - 207
Astro Electroplating, Inc.	Farmingdale	Suffolk	2	---	152036	1 - 209
Action Anodizing Plating & Polishing	Copique	Suffolk	4	---	152037	1 - 211
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Babylon Landfill	West Babylon	Suffolk	2	---	152039	1 - 215
Huntington Landfill	Huntington	Suffolk	4	---	152040	1 - 217
North Sea Landfill	Southampton	Suffolk	4	NPL	152052	1 - 219
ServAll Laundry	Bay Shore	Suffolk	4	---	152077	1 - 221
Suffolk Airport Canine Kennel	Westhampton Beach	Suffolk	2	---	152079	1 - 223
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Liberty Industrial Finishing Products	Brentwood	Suffolk	2	---	152108	1 - 235
Contract Cosmetics	Central Islip	Suffolk	2a	---	152109	1 - 237
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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Region 1

Summary of Inactive Hazardous Waste Disposal Sites in New York State

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CTI Metal Finishing (T&S Metals)	Deer Park	Suffolk	2a	---	152115	1 - 241
New York Pyrotechnics Product Company	Bellport	Suffolk	5	---	152116	1 - 243
BB&S Treated Lumber Corporation	Speonk	Suffolk	2	---	152123	1 - 245
Glaro, Inc.	Hauppauge	Suffolk	2	---	152124	1 - 247
Active Industrial Uniform	Lindenhurst	Suffolk	2	---	152125	1 - 249
Rite Off, Inc.	Bay Shore	Suffolk	4	---	152129	1 - 251
Fairchild Republic Aircraft - Main Plant	Farmingdale	Suffolk	2	---	152130	1 - 253
Calverton NWIRP	Riverhead	Suffolk	2	---	152136	1 - 255
Bulova Watch Factory	Sag Harbor	Suffolk	2	---	152139	1 - 257
National Heatset Printing Company	Farmingdale	Suffolk	2	---	152140	1 - 259
Yaphank Railroad	Yaphank	Suffolk	2a	---	152146	1 - 261
Minmilt Realty (Hygrade Metal Moulding)	Farmingdale	Suffolk	2	---	152147	1 - 263
Suffolk County Air National Guard Base	Westhampton Beach	Suffolk	2	---	152148	1 - 265
East Hampton Aire	East Hampton	Suffolk	2a	---	152156	1 - 267
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SYL00115194

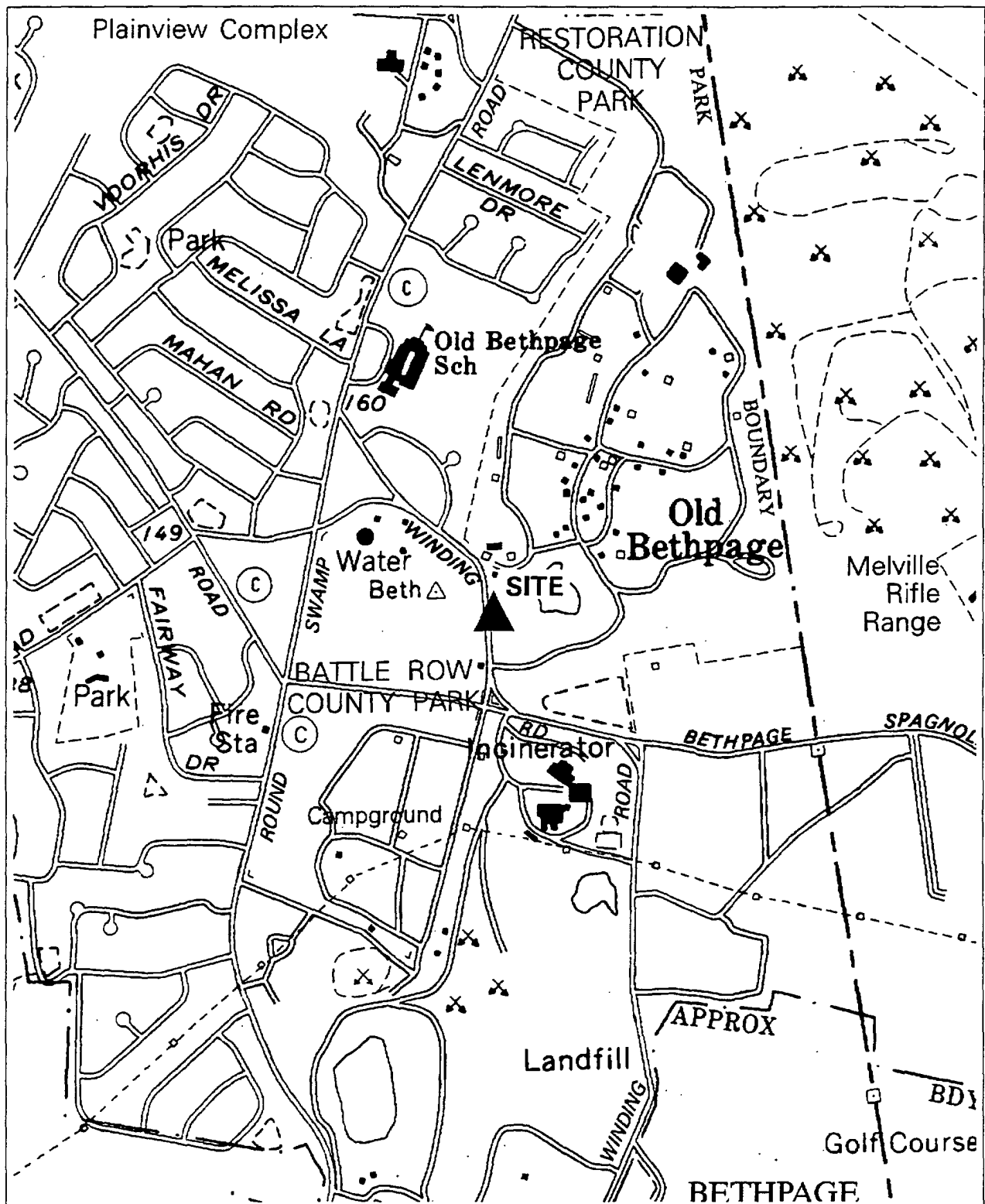
Registry of Inactive Hazardous Waste Disposal Sites in New York State

Annual Report

Appendix G

Volume 1

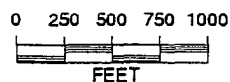
This portion of Volume 1 is a compilation of all *Inactive Hazardous Waste Disposal Reports* for every known inactive hazardous disposal waste disposal site listed in the *Registry* as of April 1, 2002 and located within Nassau County and Suffolk County. A general location map for each site described herein is printed on the page facing the corresponding *Disposal Report*. The approximate center of the corresponding site is marked on the general location map with a "TRIANGLE" and the word "SITE". Please note that the position shown may not be the true geographic center of the site.



Site Location Map

130001 Old Bethpage Landfill

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000

April 1, 2002



County: Nassau

SYL00115196

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Old Bethpage Landfill	Site Code: 130001
Class Code: 4	EPA Id: NYD980531727
Region: 1	County: Nassau
Address: Bethpage-Sweethollow Road / Old Bethpage, NY 11804	
Latitude: 40° 45' 51"	Longitude: 73° 26' 54"
Site is on the EPA - National Priorities List.	
Site Type: Landfill	Estimated Size: 63 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Town of Oyster Bay
Current Owner(s) Address: 150 Miller Avenue / Syosset, NY 11791
Owner(s) during disposal: *** Multiple Site Owners ***
Operator(s) during disposal:
Stated Operator(s) Address:
Hazardous Waste Disposal Period: From: 1968 To: 1980

Site Description:

This is a landfill and incineration operation on a 134 acre property that is divided into several sections. The North section has two incinerator complexes and a baler facility. The landfill contains municipal and industrial waste. Air and groundwater quality studies have been conducted on site. An off-site groundwater investigation was completed pursuant to a consent order that is being administered by the court after an Attorney General lawsuit under CERCLA (Federal Superfund). A Remedial Investigation/Feasibility Study (RI/FS) was completed in 1987 and a 5 acre section of the landfill was encapsulated in 1989. A groundwater treatment system has been completed and operational since December 1991, and the construction of a cap over another 35 acre section of the landfill was completed in 1993. Landfill gas control and leachate collection systems were upgraded during 1993. The groundwater treatment facility (GTF) utilizes air stripping to remove volatile organic compounds from the groundwater. During the fourth quarter of 2001 the GTF pumped, treated and recharged 1.21 million gallons per day of groundwater with an average VOC concentration of 152 ppb. The facility was on-line 79% of the time during this period and operated at a treatment efficiency in excess of 99%. The groundwater quality is continuing to improve in response to the ongoing remediation. The site's treatment system will be used to treat the contaminant plume from the Claremont Poly Chemical Corp. site. The Municipal Delegation Agreement was signed by the Town in April 2000. The Financial Assistance Agreement was submitted to EPA on August 22, 2000.

Confirmed Hazardous Waste Disposal:

Filter Cake-Celite, Carbon, Plasticizer
(60% by wt) Toluene, Sulfonic
acid catalyst

Plasticizers, consisting of 26 TM
Trimellitate and DOA Adipate Plasticizers
and lesser amounts of phthalate and
maleate plasticizers, such as DIBM & DOM
Chromium & Aluminum hydroxide sludge.

Quantity:

400,000 lbs./year

240,000 lbs.

400,000 lbs.

1300 tons/year

Analytical Data Available for:	Groundwater
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	Depth to
Soil/Rock Type: Clay and sand.	Groundwater: Range: 70 to 75 feet.
Legal Action: Type: State Consent Order -EQBA	Status: Order Signed
Remedial Action: In Progress	Nature of action: Groundwater pump & treat system.

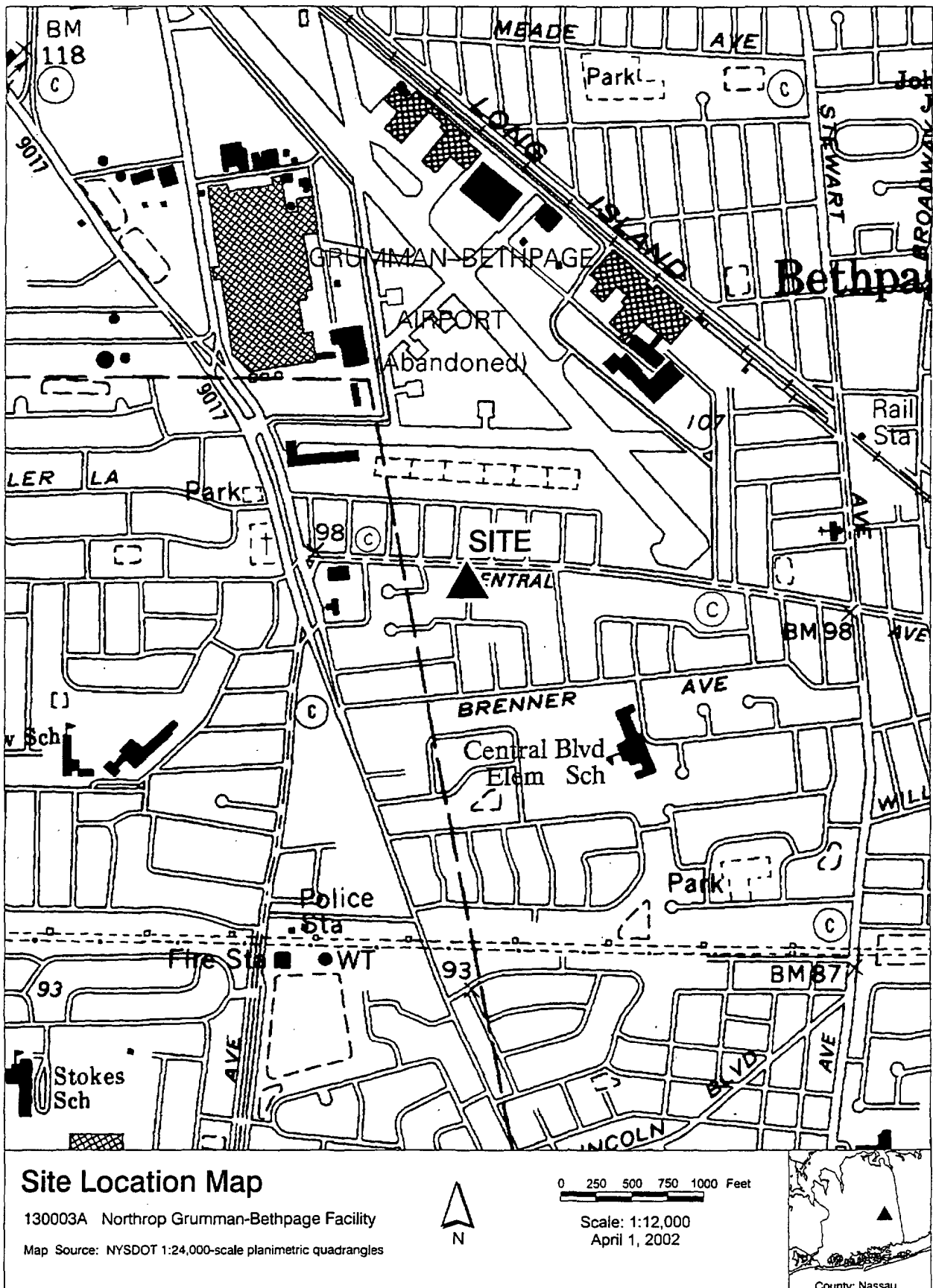
Assessment of Environmental Problems:

Hazardous waste disposal has caused contamination of a sole-source aquifer at levels above NYS standards and guidelines.

Assessment of Health Problems:

There are no known exposures to site contaminants. Potential exposure pathways have been addressed by remedial measures. These measures include containment and treatment of contaminated groundwater and landfill gas. The entire landfill has also been capped and secured by a fence, making it unlikely that on-site exposures will occur. A cancer incidence investigation for the census tract around the landfill did not detect a statistically significant excess of cancer cases for the years 1978 through 1985, the years for which relevant cancer incidence data were available at the time of evaluation.

SYL00115197



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Northrop Grumman-Bethpage Facility			Site Code: 130003A
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD002047967
Address: Hicksville Road / Bethpage, NY 11714			
Latitude: 40° 44' 21"		Longitude: 73° 29' 28"	
Site Type:		Estimated Size: 9 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: *** Multiple Site Owners ***
 Current Owner(s) Address:
 Owner(s) during disposal: Grumman Aerospace Corporation
 Operator(s) during disposal: *** Multiple Site Operators ***
 Stated Operator(s) Address:
 Hazardous Waste Disposal Period: From: 1943 To: present

Site Description:

Grumman has been operating at this facility since the early 1930's. Prior to 1949, chromium-laden wastes were disposed of in basins on site. This practice was stopped after chromium was detected in a public supply well located south of the plant. In 1976, water pumped from some of the production wells was found to contain VOCs. In 1986, the Nassau County Health Department, in conjunction with the U.S. Geological Survey, began an investigation of the groundwater resources in the vicinity of the plant. During this study, a groundwater plume estimated to be 1500 acres in size was studied. This plume is emanating from this site, the NWIRP-Bethpage Site and the RUCO Polymer Site. All are inactive hazardous waste disposal sites. In 1989, Grumman signed a consent order with the DEC to conduct a RI/FS. The RI was completed in 1994 and two on-site source areas were identified. A tetrachloroethylene release at Plant 15 was remediated in 1996 via soil vapor extraction (SVE) and a release from a trichloroethylene storage tank adjacent to Plant 2 is being remediated via SVE. These actions were initiated as IRMs. A Record of Decision (ROD) for remediating on-site source areas (OU-1) was issued by the DEC in March 1995 and a Consent Order for OU-1 was signed. The IRM remedies were the selected remedies. A well head treatment IRM has been implemented in order protect the nearby public water supply wells. A groundwater pump-and treat system on Grumman's southern property line went on line in June 1998 to contain the groundwater plume on site. A Feasibility Study for developing a remedy for the groundwater resources (OU-2) was finalized in October 2000. Remedial alternatives for addressing groundwater contamination emanating from this site and the NWIRP-Bethpage site were documented in the March 2001 OU2 groundwater ROD. The Plant 2 portion of the site (area DD) was split off from the site in March 2000 and assigned the Registry number 130003C, leaving only the Recharge Basins (area CC) to comprise the site. The Department of the Navy has commenced the remedial design for the OU2 groundwater remedy.

Confirmed Hazardous Waste Disposal:

Chromium sludge
 Paint sludge
 Metals
 Chlorinated solvents

Quantity:

unknown
 unknown
 unknown
 unknown

Analytical Data Available for:	Groundwater	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater	Drinking Water	
Geotechnical Information:			Depth to
Soil/Rock Type: Sand.			Groundwater: Range: 50 to 55 feet.
Legal Action: Type: State Consent Order		Status: Negotiations in Progress	
Remedial Action: In Progress		Nature of action: RI/FS + groundwater pump & treat + SVE system.	

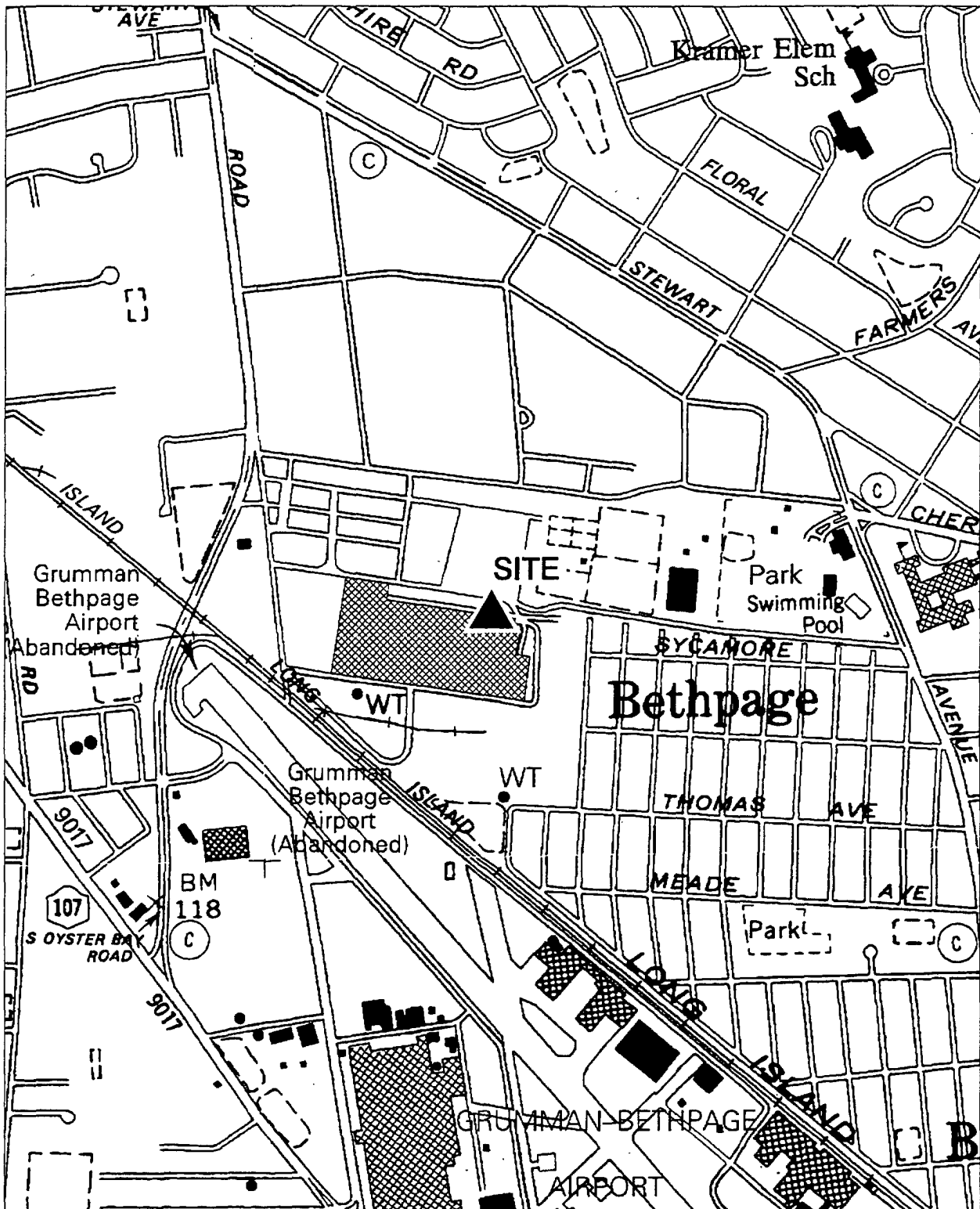
Assessment of Environmental Problems:

Two of the municipal water supplies downgradient have been impacted and others are threatened. Treatment at these two and one other municipal supply wellfields have been paid for by Grumman and the US Navy.

Assessment of Health Problems:

Groundwater on-site is contaminated but it is not used as a potable water supply. A groundwater pump and treat system has been implemented on-site to reduce contaminant concentrations in the groundwater. An additional pump and treat system is planned for off-site groundwater. Off-site groundwater contamination has affected several public water supply wells. Water from these wells is treated to remove contaminants prior to distribution in the public water supply system. Additional monitoring of groundwater continues to determine if other public supply wells may be affected; a contingency plan for well-head treatment, if necessary, has been developed. Petitions to delist or plans to close portions of the site are anticipated as changes in site use are proposed. As each petition/plan is reviewed, an exposure assessment will be conducted to ensure the protection of public health.

SYL00115199



Site Location Map

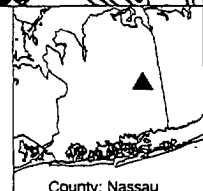
130003B Naval Weapons Ind. Reserve Plant

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Nassau

SYL00115200

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Naval Weapons Ind. Reserve Plant			Site Code: 130003B
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD602047967
Address: Stewart Avenue / Bethpage, NY 11714			
Latitude: 40° 45' 17"		Longitude: 73° 29' 38"	
Site Type: Lagoon Landfill		Estimated Size: 105 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **Grumman Aerospace Corporation - US Navy**
 Current Owner(s) Address: **Stewart Avenue / Bethpage, NY 11714**
 Owner(s) during disposal: **Grumman Aerospace Corporation - US Navy**
 Operator(s) during disposal: ***** Multiple Site Operators *****
 Stated Operator(s) Address:
 Hazardous Waste Disposal Period: **From: 1943 To: 1987**

Site Description:

This site was formerly part of the Grumman Aerospace-Bethpage Facility, which has been split into three sites, 130003A, 30003B and 130003C. The site boundaries are: to the west, South Oyster Bay Road, to the northeast, Stewart Avenue, and to the south, the Long Island Railroad and Sycamore Avenue. Hazardous wastes were stored in tanks and drums at various locations on site. The disposal of chemicals via leaks from septic systems, tanks, etc. has occurred. Two source areas have been identified at the site and will be targeted for remediation. PCBs have been found in surface soils at levels up to 1300 ppm. Groundwater standards have been contravened at the site with the highest value noted at 58 ppm of TCE. A RI/FS has been completed for this site, and an OU-1 ROD for addressing on-site sources in Areas 1, 2, and 3 was issued in May of 1995. A State MOU was signed with the DOD for OU-1. There are four components to the remedy:

- 1) soil vapor extraction/air sparging to remediate VOC-contaminated soils.
- 2) excavation and off-site treatment/disposal of PCB-contaminated soils.
- 3) excavation and treatment/disposal of arsenic contaminated soils.
- 4) a Navy funded treatment system at the Bethpage Water District's Plant # 5.

The remedial design has begun for most aspects of this project. The remediation work in Area 2 was completed in June 1996. Design-phase sampling in Area 1 found PCBs at a much greater depth than originally found. As a result, the Navy is reviewing other options for the PCB remedy. The SVE/AS System for Site 1 is complete, and operating. The Navy is working with Grumman on the groundwater remedy for Operable Unit 2 (OU-2). The Navy has commenced the remedial design for the OU-2 groundwater remedy.

Confirmed Hazardous Waste Disposal:

Trichlorethylene (F001)

Tetrachloroethene {(PCE or "perc.") F002}

1,1,1-Trichloroethane

Cyanide (F007)

Arsenic (D003)

Quantity:

unknown

unknown

unknown

unknown

unknown

Analytical Data Available for:	Groundwater	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater	Drinking Water	
Geotechnical Information:			Depth to
Soil/Rock Type: Sand.			Groundwater: Range: 50 to 55 feet.
Legal Action: Type: State Consent Order		Status: Negotiations in Progress	
Remedial Action: In Design In Progress		Nature of action: Final on-site soil remediation.	

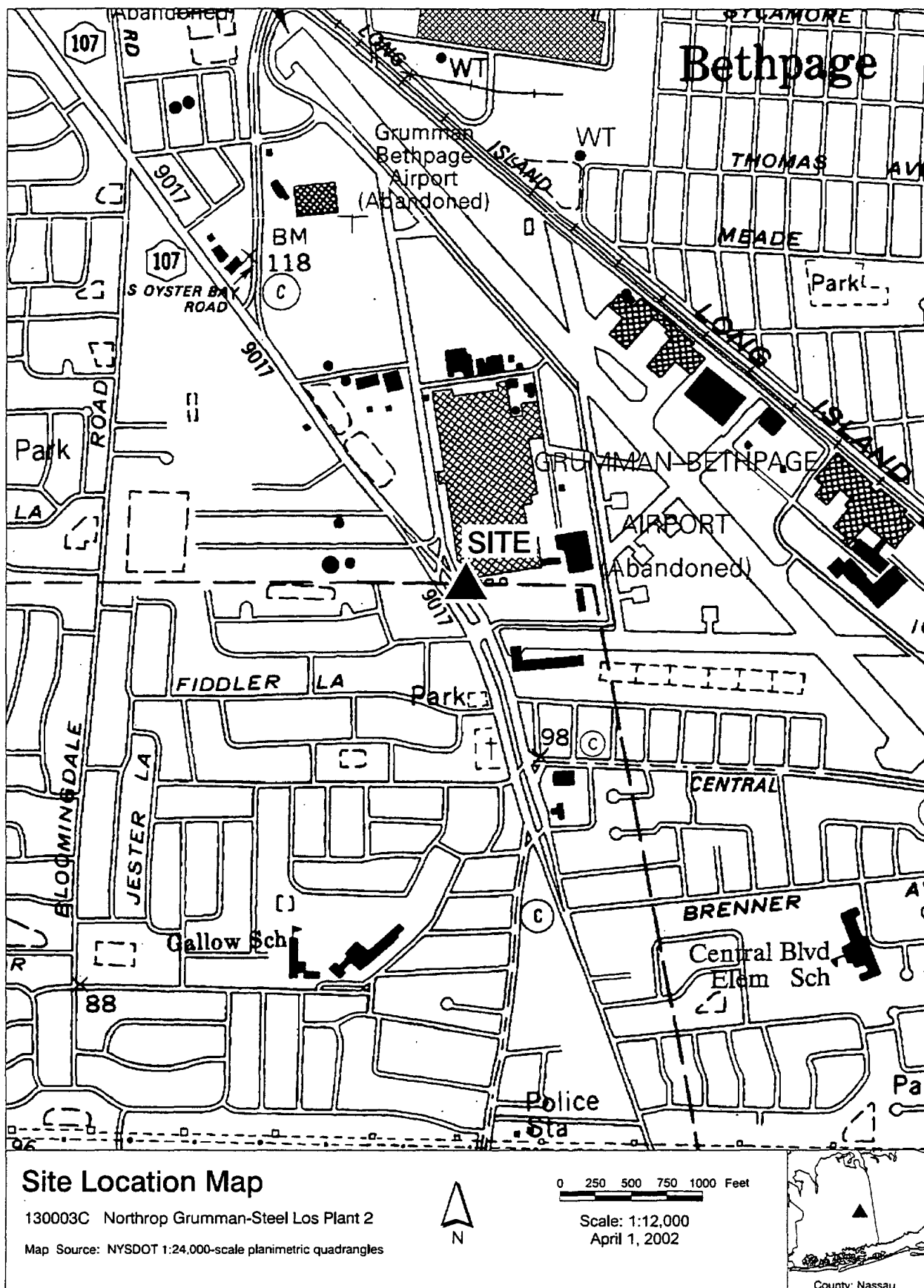
Assessment of Environmental Problems:

Two municipal downgradient water supplies have been impacted, and others are being threatened.

Assessment of Health Problems:

Groundwater on-site is contaminated but it is not used as a potable water supply. A groundwater pump and treat system implemented at the adjoining Grumman site (#130003A) is expected to reduce concentrations of contaminants originating from both sites. Off-site groundwater contamination has affected several public water supply wells. Water from these wells is treated to remove contaminants prior to distribution in the public water supply system. As changes in site use are proposed, exposure assessments will be conducted to ensure the protection of public health.

SYL00115201



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Northrop Grumman-Steel Los Plant 2			Site Code: 130003C
Class Code: 4	Region: 1	County: Nassau	EPA Id:
Address: 700 Hicksville Road / Bethpage, NY 11714			
Latitude: 40° 44' 35"		Longitude: 73° 29' 48"	
Site Type: Structure		Estimated Size: 26 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **Steel Los III, LP**
 Current Owner(s) Address: **700 Hicksville Road / Bethpage, NY 11714**
 Owner(s) during disposal: **Grumman Aerospace Corporation**
 Operator(s) during disposal: ***** Multiple Site Operators *****
 Stated Operator(s) Address:
 Hazardous Waste Disposal Period: **From: 1943 To: present**

Site Description:

Grumman has been operating at this facility since the early 1930's. Prior to 1949, chromium-laden wastes were disposed of in basins on site. This practice was stopped after chromium was detected in a public supply well located south of the Grumman plant. In 1976, water pumped from some of the production wells was found to contain volatile organic compounds. In 1986, the Nassau County Health Department, in conjunction with the U.S. Geological Survey, began an investigation of the groundwater resources in the vicinity of the Grumman plant. During this study, a groundwater plume estimated to be 1500 acres in size was studied. This plume is emanating from this site, NWIRP-Bethpage (Site # 130003B) and the RUCO Polymer (Hooker Chemical) (Site # 130004) inactive hazardous waste disposal sites. In 1989, Grumman signed a consent order with the NYSDEC in which they agreed to conduct a RI/FS at this site. The RI was completed in 1994. Two on-site source areas were identified. A PCE release at Plant 15 was remediated in 1996 via soil vapor extraction. A release from a TCE storage tank adjacent to Plant 2 is being remediated via soil vapor extraction. These actions were initiated as Interim Remedial Measures (IRMs). A Record of Decision (ROD) for remediating on-site source areas OU-1 was issued by the NYSDEC in March 1995. The IRM remedies were the selected remedies for this site. A Feasibility Study (FS) for developing a remedy for the groundwater resources OU-2 was finalized in October 2000. Remedial alternatives were developed for addressing groundwater contamination emanating from this site and the NWIRP-Bethpage site. A groundwater IRM has been implemented in order to provide better protection to public water supply wells located to the south of the site. A groundwater pump-and-treat system on Grumman's southern property line went on line in June 1998. This site is the former Grumman Aerospace Plant 2 facility, now owned by Steel Los Corp.

Confirmed Hazardous Waste Disposal:

Chromium sludge
 Paint sludge
 Metals
 Chlorinated solvents

Quantity:

unknown
 unknown
 unknown
 unknown

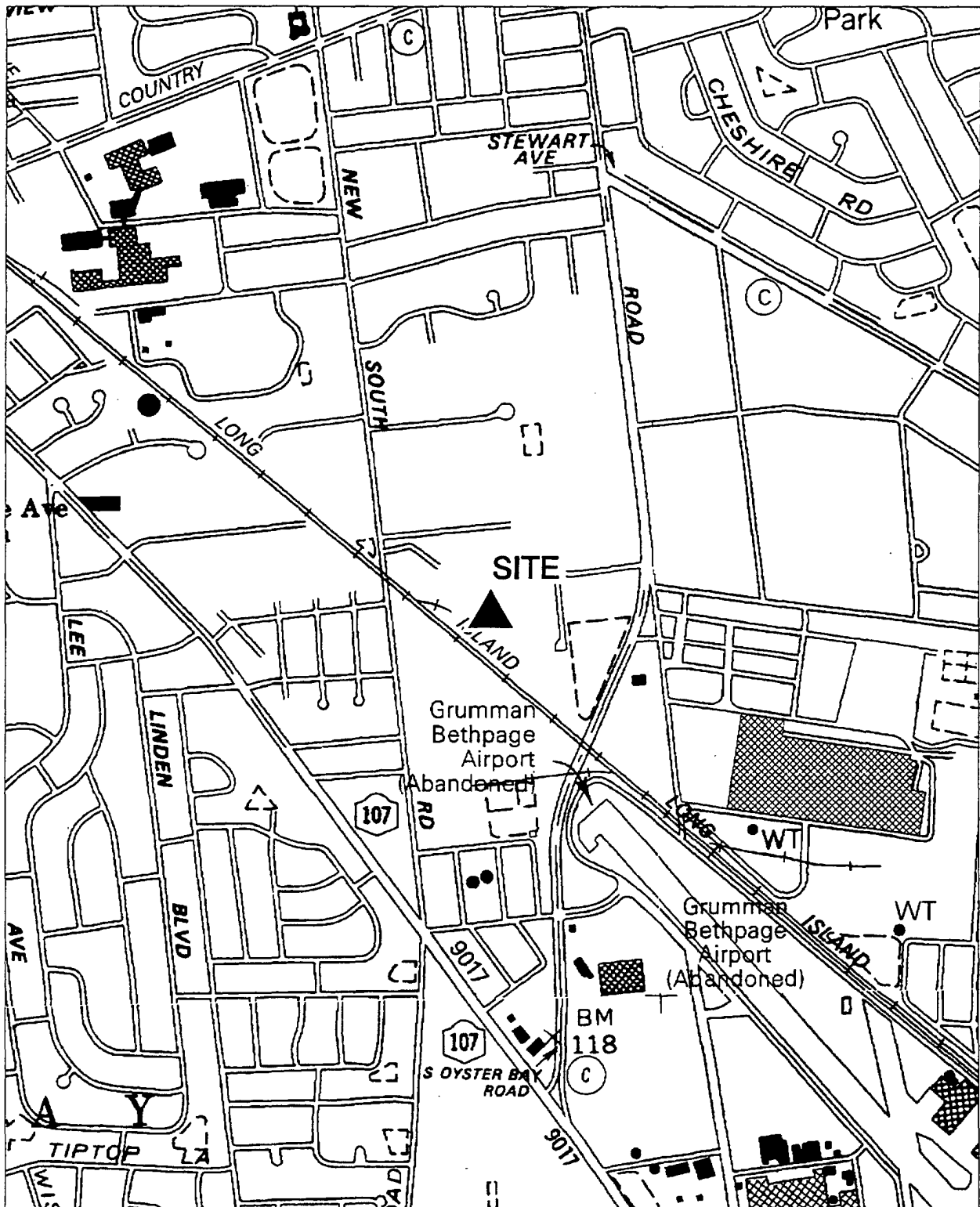
Analytical Data Available for:	Groundwater	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater	Drinking Water	
Geotechnical Information:			Depth to
Soil/Rock Type: Sand.			Groundwater: Range: 50 to 55 feet.
Legal Action: Type:		Status:	
Remedial Action: In Progress		Nature of action: IRM-Soil vapor extraction system.	

Assessment of Environmental Problems:

Two of the municipal water supplies downgradient have been impacted and others are threatened. Treatment at these two and one other municipal supply wellfields have been paid for by Grumman and the US Navy.

Assessment of Health Problems:

Residual cadmium and chromium contamination in soil is deep and covered with clean back-fill and pavement, thus being inaccessible to on-site workers. Provisions in a deed restriction require NYSDEC approval before implementing intrusive subsurface activities (such as utility trenching or construction excavations). This restriction is intended to prevent exposures to construction workers who may dig in contaminated areas and to prevent movement of contaminated soil to the surface where on-site workers may be exposed. The long-term groundwater monitoring plan for the Grumman/Navy sites, which encompass this property, includes testing to determine if cadmium or chromium from residual contaminants at this property are affecting groundwater. Additionally, groundwater collection systems are used to prevent site contaminants from migrating through groundwater to downgradient public water supply wells.



Site Location Map

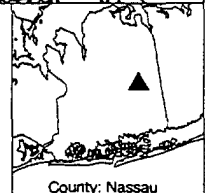
130004 RUCO Polymer Corporation (Hooker Chem)

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Nassau

SYL00115204

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: RUCO Polymer Corporation (Hooker Chem)			Site Code: 130004
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD002920312
Address: New South Road / Hicksville, NY 11801			
Latitude: 40° 45' 26"		Longitude: 73° 30' 12"	Site is on the EPA - National Priorities List.
Site Type: Lagoon		Estimated Size: 15 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Ruco Polymer Corporation
Current Owner(s) Address: New South Road / Hicksville, NY 11801
Owner(s) during disposal: Hooker Chemicals
Operator(s) during disposal: Hooker Chemicals
Stated Operator(s) Address: New South Road / Hicksville, NY 11801
Hazardous Waste Disposal Period: From: 1946 To: late 1970s

Site Description:

Ruco Polymer Corp. (formerly a subsidiary of the Hooker Chemical Corporation) has been an active manufacturer of plastics and synthetic materials since 1946. During this period, Ruco Polymer has engaged in several methods of waste disposal, both on and off site. One such method consisted of disposing liquid wastes through the use of sumps. From 1951 to 1975, these sumps received wastewater from PVC, Latex, and ester manufacturing processes. From 1956 to 1975, Plant #2 PVC (Latex) sumps (sumps 4, 5 & 6) received approximately 2 million gallons of wastewater per year. The primary wastewater samples included: 0.1% resin solids, vinyl chloride (600-1200 ppm), trichloroethylene, and vinyl acetate. Although the amount is unknown, styrene and butadiene were also discharged from the latex processing. The Plant #1 ester sumps (#s 1&2) received wastewater containing unknown but "substantial" amounts of mixed glycols and alcohols. As a result of these releases, groundwater downgradient of the site has been contaminated. From 1946 to 1978, the pilot plant used a heat transfer fluid which contained PCBs. Releases of PCBs to the soil adjacent to the pilot plant spread to surrounding areas. Soils surrounding a former underground fuel oil tank were contaminated with PCBs. This site was placed on the NPL in 1984. Under operable unit 2 (OU-2), PCB contaminated soil adjacent to the pilot plant and from sump 3 was removed and disposed of off site. An EPA RI/FS was completed and a Record of Decision (ROD) was signed in January 1994 for OU-1. The ROD includes: pump and treat remedy for on-site groundwater, off-site disposal of contaminated shallow soils, and extraction of deep soil contaminants using soil flushing technology. The PRP is conducting an off-site groundwater investigation (OU-3). Oxy prepared a final feasibility study for OU-3. The ROD was executed in September 2000. The OU-1 design has been finalized. The USEPA issued the unilateral Administrative Order for implementation of OU-3. The OU-3 design has commenced.

Confirmed Hazardous Waste Disposal:

Plant #1 Ester Sump: Residual organics.
 2 Ethylhexanol, alcohols, diethylene glycol,
 ethylene glycol, plasticizer, adipic acid,
 polyester
 Plant #2 polymer solids
 PCBs (BO07) (FO02).
 Vinyl Chloride, trichloroethylene, vinyl acetate

Quantity:

Residuals from
 drying beds

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Sand and gravel.		Groundwater: Range: 45 to 50 feet.

Legal Action: Type: Federal Consent Orders	Status: Order Signed
Remedial Action: In Progress	Nature of action: RI/FS + RD/RA.

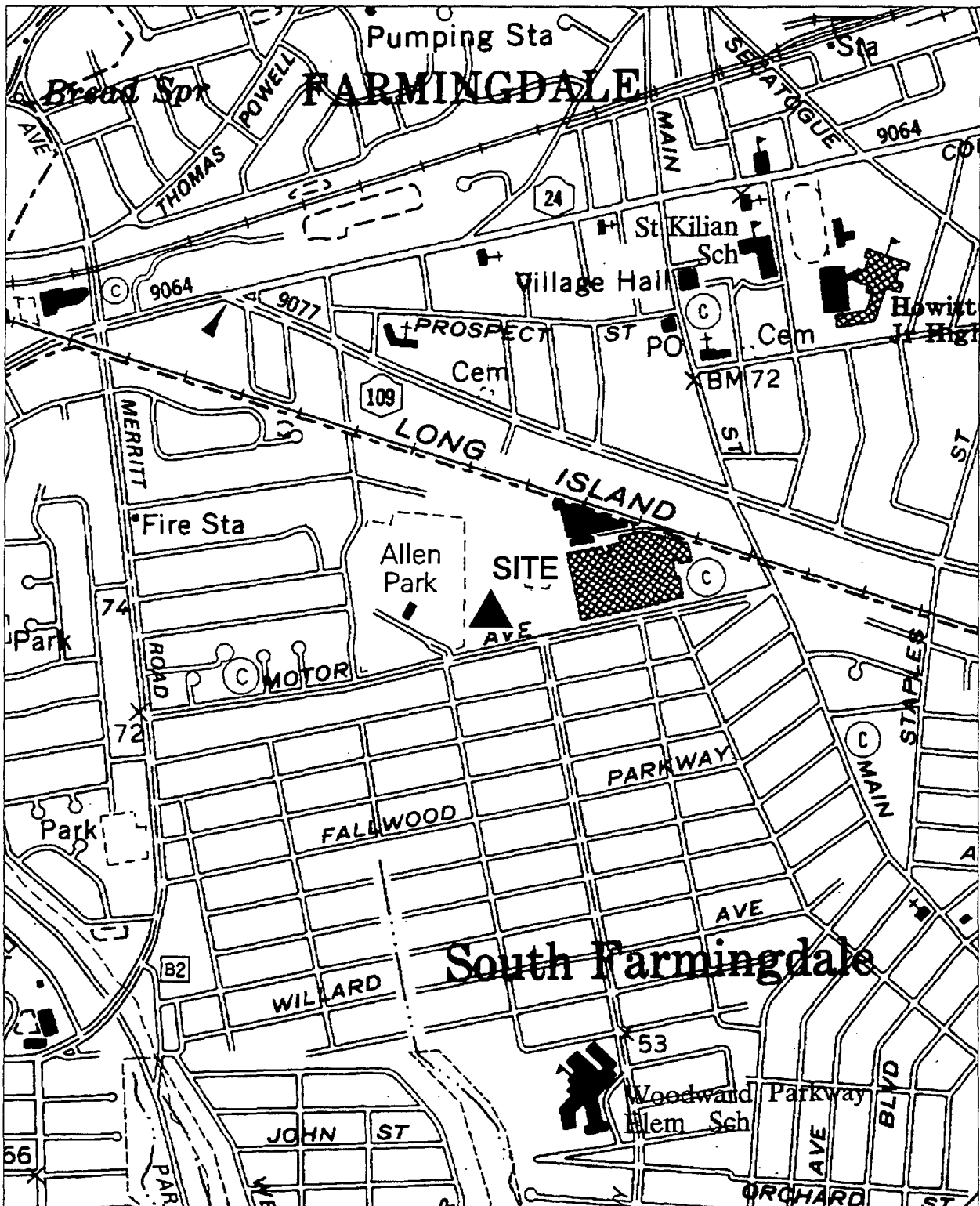
Assessment of Environmental Problems:

Groundwater adjacent to site has been documented to contain vinyl chloride. Three inactive lagoons were filled with waste and covered. Soil and groundwater have been found to be contaminated with vinyl chloride and other chlorinated hydrocarbons.

Assessment of Health Problems:

The primary public health concern related to this site is contaminant migration through groundwater. Groundwater on-site is contaminated but it is not used as a potable water supply. Occidental is presently designing a groundwater bio-sparging system to reduce contaminant concentrations. Downgradient public water supply wells are being treated for contamination associated with other nearby sites (Grumman Aerospace and the Naval Weapons Plant sites). The Record Of Decision for this site requires long-term groundwater monitoring with a contingency for additional remedial measures if necessary.

SYL00115205



Site Location Map

130005 Liberty Industrial Finishing (4 Js Co.)

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000

April 1, 2002

County: Nassau

SYL00115206

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Liberty Industrial Finishing (4 J's Co.)			Site Code: 130005
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD000337295
Address: 55 Motor Avenue - Colt Industrial Park / Farmingdale, NY 11735			
Latitude: 40° 43' 31"		Longitude: 73° 27' 0"	Site is on the EPA - National Priorities List.
Site Type: Lagoon		Estimated Size: 10 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Mr. S. Holbriech c/o RGE, Inc.
Current Owner(s) Address: PO Box 117 / 175 Jericho Turnpike / Syosset, NY 11791
Owner(s) during disposal: Liberty Industrial Finishing Products
Operator(s) during disposal: Liberty Industrial Finishing Products
Stated Operator(s) Address: 55 Motor Avenue - Colt Industrial Park / Farmingdale, NY 11735
Hazardous Waste Disposal Period: From: 1948 To: 1977

Site Description:

Liberty Industrial Finishing operated at 55 Motor Avenue between 1948 and 1977. Operations at this site included electroplating, anodizing and painting. In 1977, Liberty Industrial Finishing was cited for discharging wastewater into three leaching basins in violation of permit limits. The discharge exceeded NYCRR Part 703.6 limits for hexavalent chromium and cadmium. Investigations by the Nassau County Department of Health in 1979 & 1980 indicated two leaching basins and a sludge drying bed failed the E.P.Tox Test for cadmium in soils and sludge. There is a plume of groundwater contamination with cadmium, chromium, and organics moving towards the south. This plume is the result of the discharge of contaminated wastes to the lagoons dating back to the 1940s. In 1987 the Potentially Responsible Party (PRP) conducted an Interim Remedial Measure (IRM) by removing contaminated soil from the two leaching basins and the sludge drying bed. This soil was contaminated with chromium, cadmium, dieldrin, dichlorobenzene and tetrachloroethylene. Cadmium, chromium and organics were detected in the surface water and sediment of Massapequa Creek. An IRM was performed in 1994-95 which removed PCB contaminated soils from a transformer pads. A groundwater IRM to prevent contaminated groundwater from leaving the site proper is currently operational. A Remedial Investigation/Feasibility Study (RI/FS) has been completed and the EPA has proposed a remedy for groundwater and site soils. The final Record of Decision (ROD) is scheduled to be completed in 2002.

Confirmed Hazardous Waste Disposal:

Cadmium, chromium, dichlorobenzene,
Tetrachloroethylene, dieldrin.
Plating and painting wastes

Quantity:

unknown
unknown
unknown

Analytical Data Available for:	Groundwater	Surface Water	Soil
Applicable Standards Exceeded in:	Groundwater		
Geotechnical Information:		Depth to	
Soil/Rock Type: Sand.		Groundwater: Range: 5 to 10 feet.	
Legal Action: Type: Federal Enforcement Action		Status: Negotiations in Progress	
Remedial Action: In Progress		Nature of action: IRM-Groundwater pump and treat system.	

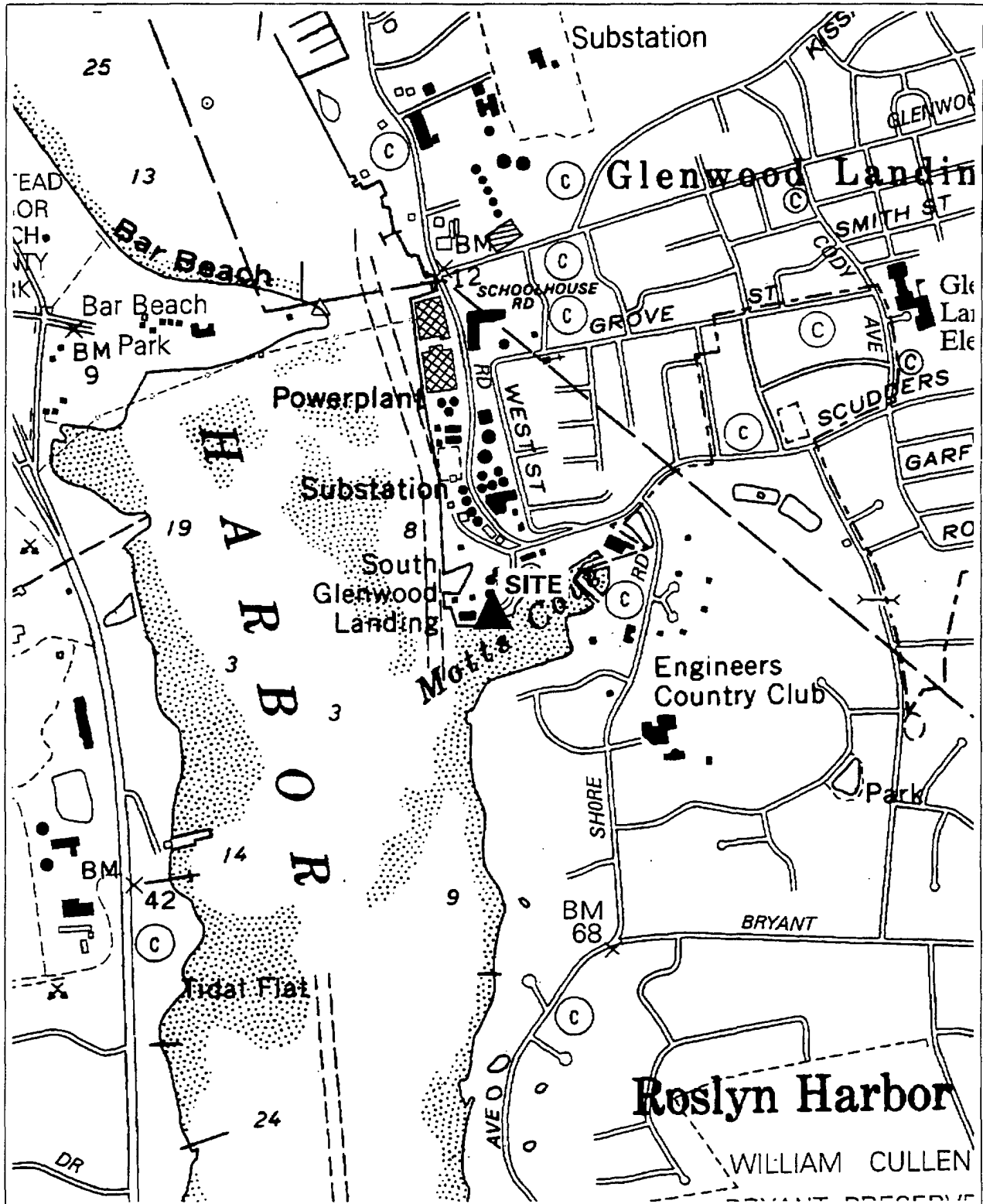
Assessment of Environmental Problems:

Groundwater and soil have been contaminated with heavy metals and organics. Groundwater discharge to Massapequa Creek has been documented, and a plume of contamination is moving south of this site.

Assessment of Health Problems:

Soils contaminated with polychlorinated biphenyls (PCBs) were excavated and removed from transformer pad areas. The United States Environmental Protection Agency fenced the site and is evaluating additional measures to control trespassing on-site. Trespassers entering the site, particularly at the former disposal basin area are at risk of exposure to contaminated soils via ingestion, direct contact, and inhalation. Groundwater is contaminated on-site and off-site. An interim groundwater remedial action is in place to control the off-site migration of contaminated groundwater. Site related contamination has not been detected in nearby downgradient public drinking water supply wells. No private drinking water supply wells have been identified in the area. Contaminated groundwater discharged to the Massapequa Creek. The EPA has proposed remedial activities to remove contamination from accessible areas within the creek.

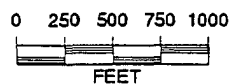
SYL00115207



Site Location Map

130006 Shore Realty Corporation (AES)

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Nassau

SYL00115208

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Shore Realty Corporation (AES)			Site Code: 130006
Class Code: 4	Region: 1	County: Nassau	EPA Id: NYD980535652
Address: 1 Shore Road / Glenwood Landing, NY 11547			
Latitude: 40° 49' 22"		Longitude: 73° 38' 47"	Site is on the EPA - National Priorities List.
Site Type: Structure		Estimated Size: 3.2 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **Shore Realty Corporation**
 Current Owner(s) Address: **1 Shore Road / Glenwood Landing, NY 11547**
 Owner(s) during disposal: **Phillips Petroleum-Saleh/Bartur**
 Operator(s) during disposal: **Mattiace & Applied Environmental Services (AES)**
 Stated Operator(s) Address: **Garvies Point Road / Glenwood Landing, NY 11547**
 Hazardous Waste Disposal Period: **From: 1974 To: 1986**

Site Description:

This site is surrounded on three sides by the Hempstead Harbor. From 1939 to 1972 the site was used for the bulk storage of petroleum products. From 1974 to 1980 the site was leased by Mattiace Petrochemicals and used to store various solvents. Numerous spills, including approximately 3,000 gallons of toluene, are reported to have occurred during Mattiace's tenancy. Applied Environmental Services subsequently used the site to store and blend waste solvents. Shore Realty then purchased the site in 1983. Portions of the soil and groundwater at the site are heavily contaminated with ethylbenzene, toluene and xylenes, along with lesser concentrations of other chemicals. In 1986 the DEC funded the removal of approximately 700,000 gallons of hazardous waste from the site. A joint DEC/EPA Record of Decision (ROD) was signed in June of 1991. The selected remedy calls for vacuum extraction of volatiles from the unsaturated soils and pump & treat enhanced bioremediation of groundwater and saturated soils. A large group of responsible parties has entered into a Consent Judgment to fund and implement the remedy. Remedial Design was completed in February of 1994. Remedial Construction began on May 11, 1994. On September 20, 1995, the remedial construction was completed. During the second half of 2000 the Soil Vapor Extraction (SVE) system operated in excess of 95% of the time and typically removes 30-40 pounds of VOCs per month. The wooden bulkhead will be replaced with steel sheet piling in 2002.

Confirmed Hazardous Waste Disposal:

Toluene
Xylene
Ethyl Benzene

Quantity:

3000 gallons
unknown
unknown

Analytical Data Available for:	Air Groundwater Surface Water Soil Sediment
Applicable Standards Exceeded in:	Groundwater Drinking Water Surface Water Air
Geotechnical Information:	Depth to
Soil/Rock Type: Sand.	Groundwater: Range: 5 to 10 feet.
Legal Action: Type: State Consent Order	Status: Order Signed
Remedial Action: Complete	Nature of action: Soil vacuum extraction + groundwater treatment.

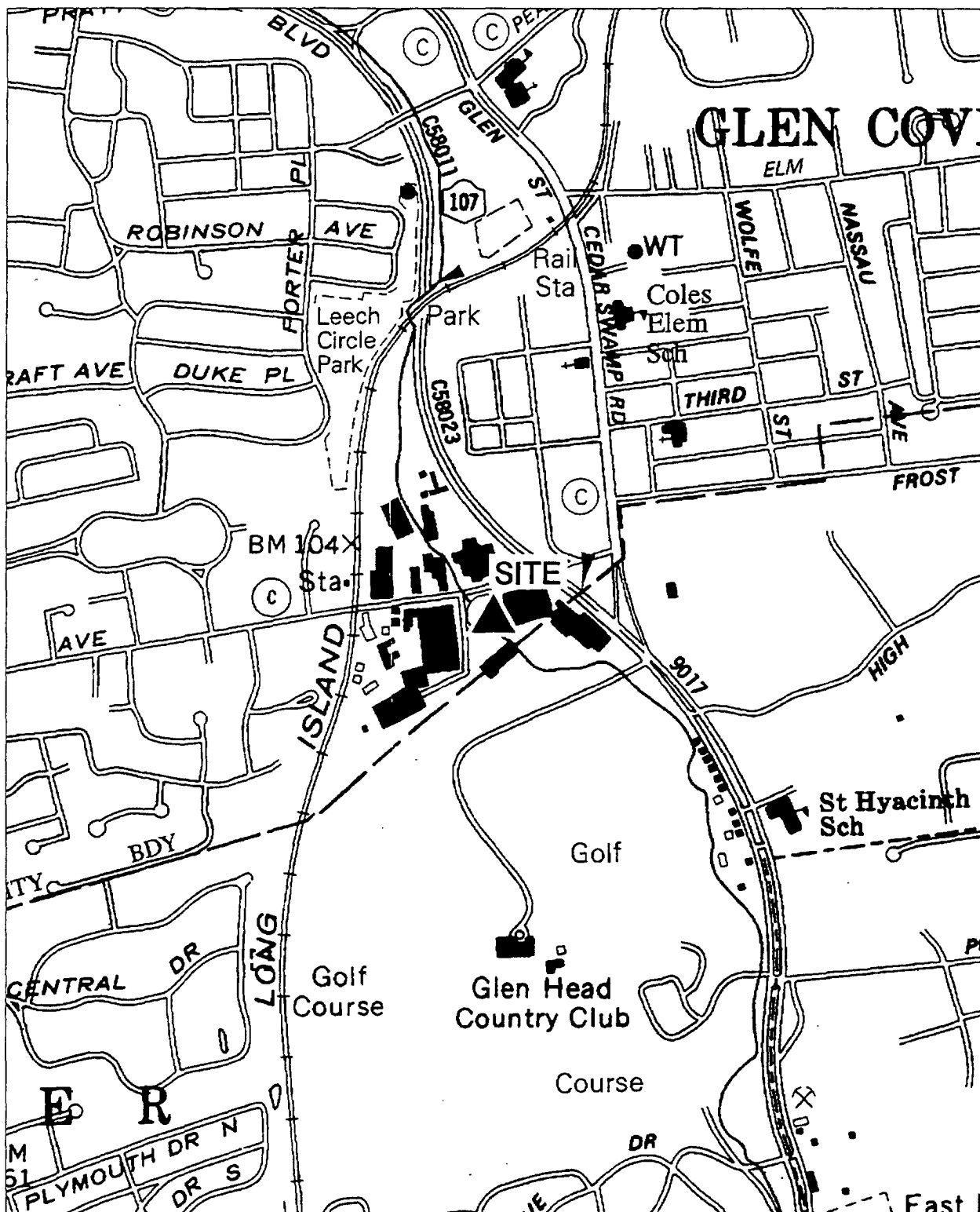
Assessment of Environmental Problems:

There was groundwater, soil, sediment, surface water, and air contamination. Directly treating site groundwater and soils resulted in cleanup of sediments, surface water, and air by removing the source of contamination.

Assessment of Health Problems:

Access to the site is restricted by a chain-link fence and locked gates. The adjacent mudflats are contaminated with volatile organic compounds; however, exposures are not likely to occur because access is difficult. The groundwater at the site is contaminated, however, exposures to contaminated groundwater are not expected because the groundwater flows beneath the site toward Hempstead Harbor and public drinking water supply wells are upgradient from the site. The current vacuum extraction of soil vapor and pumping and treating of groundwater should minimize any future potential exposures.

SYL00115209



Site Location Map

130009 Photocircuits Corporation

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles

SYL00115210

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Photocircuits Corporation			Site Code: 130009
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD09620483
Address: 31 Sea Cliff Avenue / Glen Cove, NY 11542			
Latitude: 40° 51' 5"		Longitude: 73° 37' 19"	
Site Type: Structure		Estimated Size: 9.97 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **Photocircuits Corporation**
 Current Owner(s) Address: **31 Sea Cliff Avenue / Glen Cove, NY 11542**
 Owner(s) during disposal: **Powers Chemco/Kollmorgen/Photocircuits**
 Operator(s) during disposal: **Photocircuits Corporation**
 Stated Operator(s) Address: **31 Sea Cliff Avenue / Glen Cove, NY 11542**
 Hazardous Waste Disposal Period: **From: 1954 To: present**

Site Description:

Photocircuits Corporation is one of several properties that comprise the Sea Cliff Avenue Industrial Area. The property was formerly owned by Powers Chemco (1954-1971) & Kollmorgen Corporation (1971-1986). Kollmorgen and Photocircuits manufactured printed circuit boards. Past investigations of this area have documented high concentrations of chlorinated organics in the groundwater underlying the site. To identify the source of these contaminants, a Preliminary Site Assessment (PSA) was conducted by the Nassau County Department of Public Works (NCDPW) through a Municipal Delegation Agreement with the NYSDEC. The investigation relied largely on compilation and interpretation of existing raw data. The PSA report noted the presence of volatile organic compounds (VOCs), particularly 1,1,1-trichloroethane (1,1,1-TCA), in the soil and groundwater associated with these premises, and identifies Photocircuits as a source of methylene chloride, 1,1,1-TCA and tetrachloroethene. The concentration in the aquifer is also well above the applicable Part 703 Groundwater Standard, and is thereby presenting a significant threat to the environment. In January of 1997, a site investigation was conducted by a consultant. Based on the results of this investigation, a Remedial Investigation / Interim Remedial Measure Work Plan was finalized in March 1997, and was executed in 1998. During the summer of 2000, a soil vapor extraction (SVE) system IIR was installed in the most contaminated area of the site. In addition a pilot study to use bio remediation to remediate groundwater contamination in the same area was begun. The SVE system is operating satisfactorily. The results of the bioremediation pilot study were unsatisfactory. In January 2002 Photocircuits conducted a pilot test for a hydraulic restraint system to prevent migration of VOCs from the site.

Confirmed Hazardous Waste Disposal:

1,1,1-Trichloroethane (TCA (F001))

Quantity:

unknown

Analytical Data Available for:	Groundwater Soil
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	Depth to
Soil/Rock Type: Silt-rich and sand-rich till.	Groundwater: Range: 1 to 100 feet.
Legal Action: Type: State Consent Order	Status: Order Signed
Remedial Action: In Progress	Nature of action: IIR-Soil vapor extraction system.

Assessment of Environmental Problems:

Soil on the premises has been contaminated with VOCs, and this contamination has spread to the underlying sole-source aquifer.

Assessment of Health Problems:

Soils and groundwater are contaminated with volatile organics. Exposures to contaminated soil are not expected because access to the site is restricted by fencing. Exposure to contaminated groundwater is not expected because public water serves the area. Three public supply wells at the Carney Street wellfield (located at the perimeter of Sea Cliff Industrial Area) were closed in 1977 due to impact from the contaminant plume. The groundwater contamination could affect other area public supply wells; contamination in these wells, if any, would be detected by the routine monitoring required for public water supplies.

SYL00115211

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Syosset Landfill		Site Code: 130011	
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD000511360
Address: Miller Place and Robbins Lane / Syosset, NY 11791			
Latitude: 40° 47' 46"		Longitude: 73° 30' 39"	
Site Type: Landfill		Site is on the EPA - National Priorities List.	
		Estimated Size: 38 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **Town of Oyster Bay**
 Current Owner(s) Address: **150 Miller Avenue / Syosset, NY 11791**
 Owner(s) during disposal: **Town of Oyster Bay**
 Operator(s) during disposal: **Town of Oyster Bay**
 Stated Operator(s) Address: **150 Miller Avenue / Syosset, NY 11791**
 Hazardous Waste Disposal Period: **From: 1933 To: 1975**

Site Description:

Syosset Landfill is a 38 acre site in the Town of Oyster Bay. The site is bordered on the northeast and north by single family residences and an elementary school. Refuse disposal reportedly began in 1933 and continued until 1975. Until 1967, there were no restrictions on the type of wastes received at the site. Materials disposed during that period included residential, commercial, industrial and demolition wastes, sludge and ashes. After 1967, only industrial wastes and sludges were accepted until the site's closure in 1975. This landfill generates, on an annual basis, an estimated 49,030,000 gallons of leachate which may be affecting the groundwater in the vicinity of the site. ERM-Northeast installed seven monitoring wells on site in 1982 and sampled them for priority pollutants. They found concentrations of heavy metals and PCBs (.1-.2 ppm) in several wells, and chloroethyl ether (47 ppm) in one well. Earlier sampling of water supply wells by Nassau County showed ammonia and other taste and odor causing substances in the plume to the northeast. The Remedial Investigation/Feasibility Study (RI/FS) for operable unit 1 (source characterization and remediation), has been completed with a Record of Decision (ROD) dated September, 1990, calling for a municipal landfill final cover and gas migration control, which are under design. As part of the cap design, the Town conducted a "preload program" in an effort to achieve optimum consolidation of the waste prior to the installation of the final cap. This allowed a lower final slope for the cap with lower cost and less visual impact on the neighborhood. The off-site plume was addressed under operable unit 2 (OU-2) in a Remedial Investigation. Only iron and sodium in the off-site groundwater exceed Part 703 Groundwater Standards. The proposed remedy for OU-2 is "no action" with continued monitoring of off-site groundwater. Final cap construction began in August 1996 and was completed in November 1997.

Confirmed Hazardous Waste Disposal:

Plating sludges

Starchy clay sludge

(D006, D007, D008 wastes)

Trichloroethylene, PVC sludge

Tetrachloroethylene, Vinyl chloride

Quantity:

Approx. 400 tons/year

Approx. 48 tons

Approx. 48 tons

Analytical Data Available for:	Air Groundwater Soil
Applicable Standards Exceeded in:	Groundwater Drinking Water
Geotechnical Information:	Depth to
Soil/Rock Type: Sand.	Groundwater: Range: 100 to 110 feet.
Legal Action: Type: Federal Consent Order	Status: Order Signed
Remedial Action: Complete	Nature of action: Landfill cap with preload program.

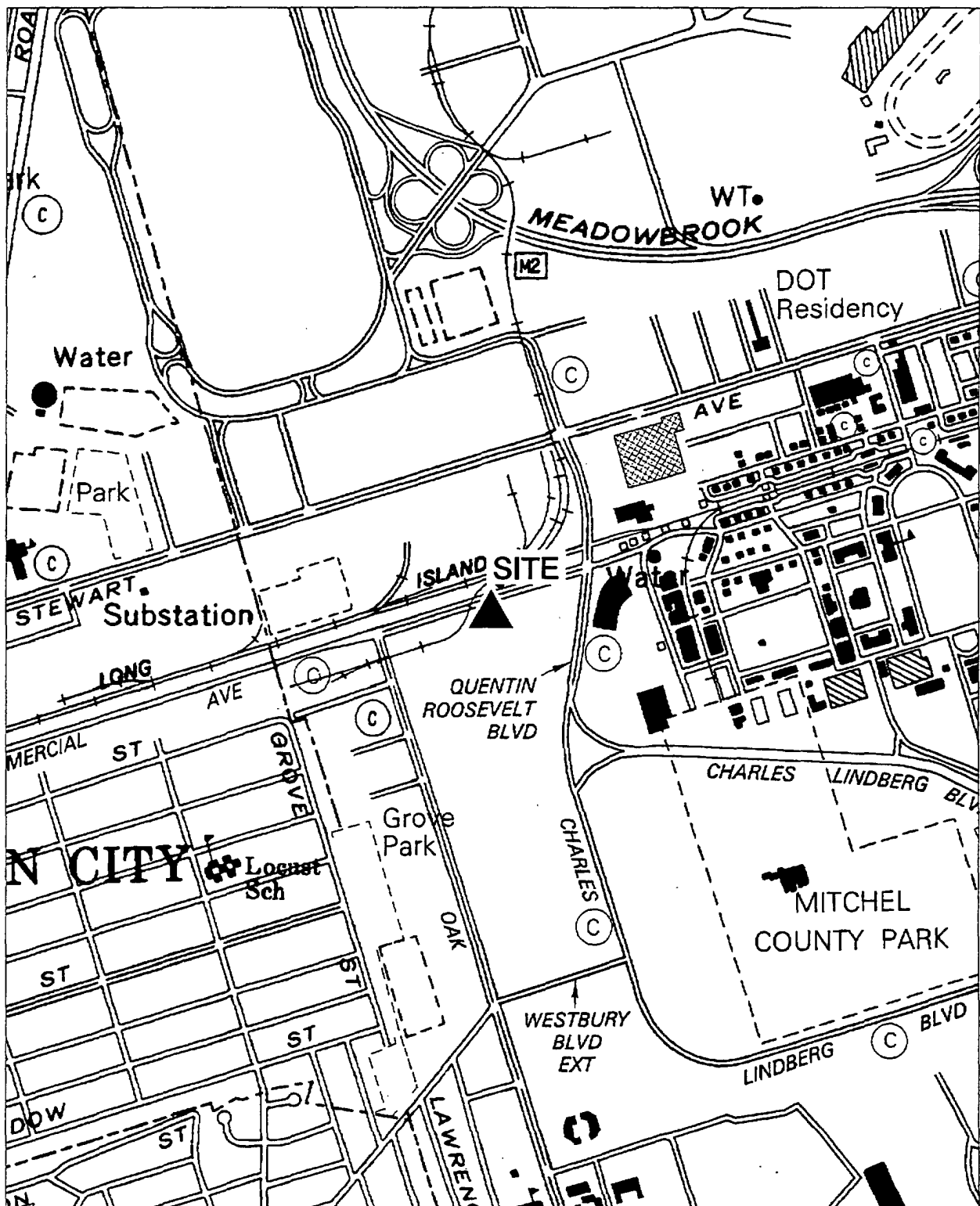
Assessment of Environmental Problems:

Groundwater has been contaminated at this site at levels that exceed the Part 703 groundwater standards for iron and sodium.

Assessment of Health Problems:

In the past, elevated levels of soil gas were detected along the border of the landfill, about 45 feet from homes on Colony Lane. The Nassau County Health Department (NCHD) monitors the air inside the South Grove Elementary School and some of the homes bordering the landfill. Contaminants related to the landfill have not been detected in the School or the residences. Construction of the landfill cap and gas collection ventilation system in 1997 has eliminated the off-site migration of soil gas. In 1999, elevated levels of landfill gas were measured in 31 of the 84 vents on the landfill. The NYSDOH, NCHD, NYSDER and USEPA have requested that the Town provide the information necessary to evaluate the potential off-site exposure to air contaminants migrating from the landfill. Exposure to site-related contaminants in drinking water is not expected since homes and businesses near this site are connected to public water. A fence around the entire perimeter of the site restricts access.

SYL00115213



Site Location Map

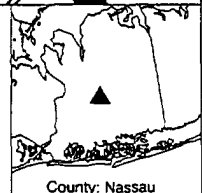
130014 Purex-Mitchell Field

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



SYL00115214

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Purex-Mitchell Field	Site Code: 130014
Class Code: 4 Region: 1 County: Nassau	EPA Id: NYD170009000
Address: Commercial Avenue / Garden City, NY 11530	
Latitude: 40° 43' 48" Longitude: 73° 36' 24"	
Site Type: Structure	Estimated Size: 0.5 Acres

Site Owner / Operator Information:

Current Owner(s) Name: County of Nassau
Current Owner(s) Address: County Center / Mineola, NY 11501
Owner(s) during disposal: Purex Corporation
Operator(s) during disposal: Purex Corporation
Stated Operator(s) Address: 41 Glen Cove Road / Greenvale, NY 11548
Hazardous Waste Disposal Period: From: 1955 To: 1977

Site Description:

This site was used by an industrial facility for chemical distribution. It is now a county-owned property on which a MTA / Long Island bus garage is located. Chlorinated solvents from the former chemical distribution facility have formed a contaminant plume in the groundwater within the area of the site. A groundwater treatment system utilizing air stripping has been operating for the past ten years and has processed over 3 billion gallons of water. Contamination removals exceed 130,000 pounds of contaminants. On December 31, 2002, the Nassau County DPW will assume operation and maintenance of the remedial system. Operation of the remedial system must continue until the clean-up criteria of the 1985 Consent Judgment is achieved. The results of a soil sampling program in 1992 indicated that the soil clean-up objectives had been met and that further soil flushing was discontinued. In May 2000, additional work was agreed to that will further enhance groundwater extraction capability and ultimately decrease the time required to complete the groundwater remediation. Costs expended to date, for design, construction, and operation, have totaled approximately 30 million dollars.

Confirmed Hazardous Waste Disposal:

Chlorinated Solvents (FOO1) (FOO1)

Quantity:

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:		Depth to
Soil/Rock Type: Sand.		Groundwater: Range: 15 to 20 feet.
Legal Action: Type: State AG - Consent Order		Status: Order Signed
Remedial Action: In Progress	Nature of action: Groundwater pump & treat system.	

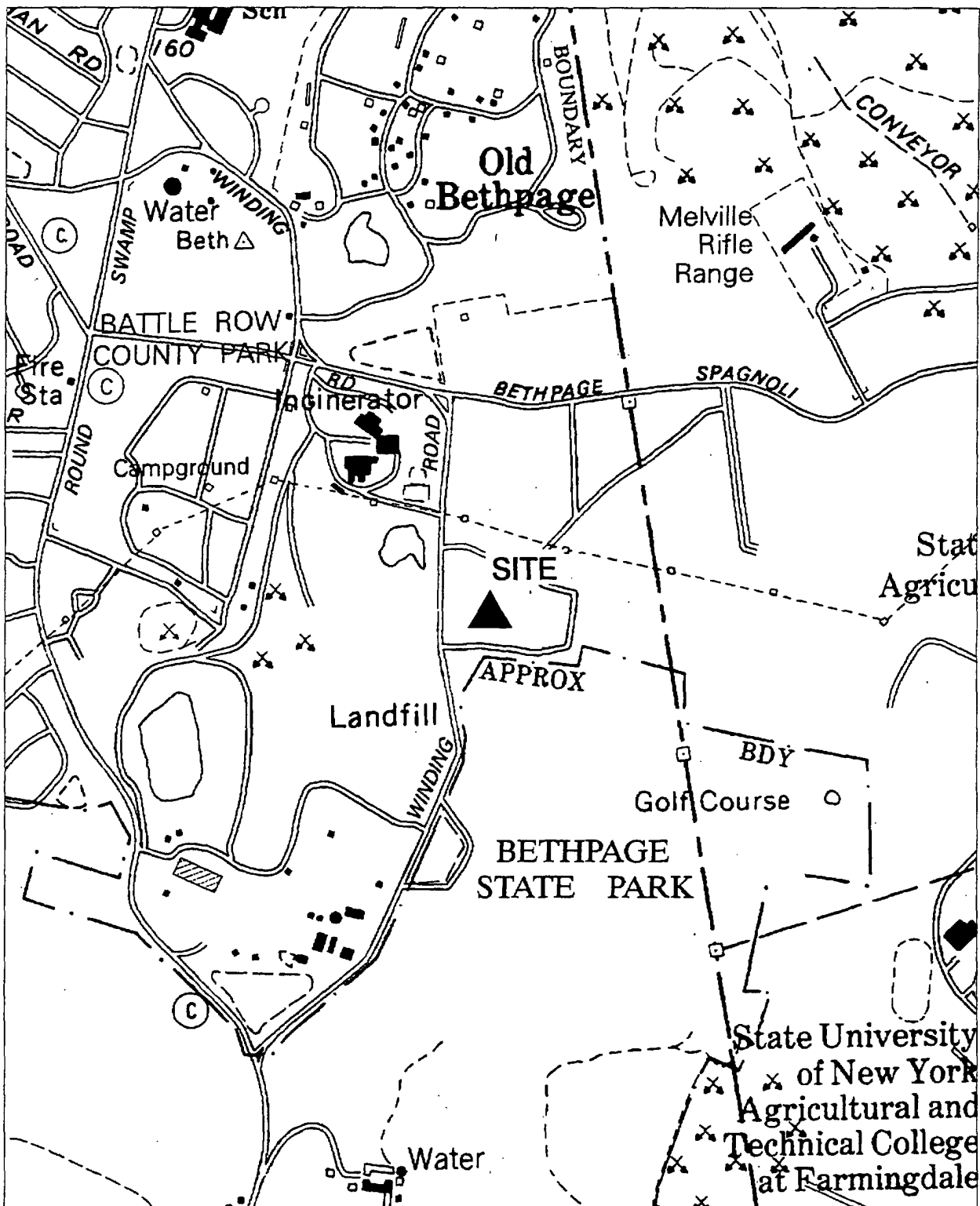
Assessment of Environmental Problems:

The remediation included the installation of a slurry wall, air strippers, recovery wells, and the placement of recirculation piping in the source area.

Assessment of Health Problems:

Groundwater is the sole source of drinking water in the area. The area is served by public drinking water which is routinely tested to check compliance with drinking water standards. Public drinking water supply wells are 2250 feet south-southwest of the original contamination site. These supply wells are only used during periods of high demand in summer, and are treated with carbon filters to remove volatile organic compounds. It is unknown whether this contamination is attributable to this site. On-site soils are remediated, eliminating the potential for exposure.

SYL00115215



Site Location Map

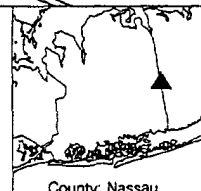
130015 Claremont Poly Chemical Corporation

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Nassau

SYL00115216

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Claremont Poly Chemical Corporation			Site Code: 130015
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD002044584
Address: 501 Winding Road / Old Bethpage, NY 11804			
Latitude: 40° 45' 28"		Longitude: 73° 26' 38"	Site is on the EPA - National Priorities List.
Site Type: Dump Structure		Estimated Size: 9.5 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Winding Road Properties
Current Owner(s) Address: Bay Crest / Huntington Bay, NY 11743
Owner(s) during disposal: Claremont Poly Chemical
Operator(s) during disposal: Claremont Poly Chemical
Stated Operator(s) Address: 501 Winding Road / Old Bethpage, NY 11804
Hazardous Waste Disposal Period: From: 1966 To: 1980

Site Description:

The plant on this site was operated by Claremont Polychemicals for manufacturing pigments for plastics, inks, coated metallic flakes, and vinyl stabilizers. Organic solvents, resins and wash wastes (mineral spirits) were the principal wastes generated. 2,000-3,000 drums have been removed from the site. Soil was contaminated to depths of at least 10 feet and groundwater contamination is evident. PCBs were detected in soil samples (120 to 1100 ppb). Toluene (82 ppb), 1,2-dichloroethylene (675 ppb), 1,1,1-trichloroethane (44 ppb), trichloroethylene (31 ppb) and tetrachloroethylene (26000 ppb) were detected in soil samples. Ten metals were found at levels exceeding Federal and/or State MCLs in groundwater near the site and downgradient. Volatile organic compounds (1,1-dichloroethane, tetrachloroethene, trans-1,2-dichloroethene, 1,1,1-trichloroethene and trichloroethene) were also detected in the groundwater above state MCLs. A Remedial Investigation/Feasibility Study (RI/FS) was completed and a Record of Decision (ROD) was signed in September 1990. The ROD includes pump and treat of contaminated groundwater and the excavation and treatment of contaminated soil. Remedial Design for the Phase I pump and treat of on-site contaminated groundwater and treatment of contaminated soil was completed in January of 1995. Treatment of the soils was completed in January 1997 and construction of the Phase I pump and treat system was completed on September 30, 2000. Design for the Phase II treatment of off-site contaminated water has been deferred by the EPA. The Old Bethpage Landfill treatment system operated by the Town of Oyster Bay is remediating the off-site contaminated groundwater from this site. The USEPA, the DEC and the Town have completed a cooperative agreement to fund the off-site groundwater remediation. The final inspection of building decontamination (OU6) was performed by NYSDEC on August 22, 2000.

Confirmed Hazardous Waste Disposal:

Toluene

1-2, Dichloroethylene

1,1,1-Trichloroethane (FOO1) (FOO2)

Trichloroethylene (TCE)

Quantity:

unknown

unknown

unknown

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Sand.		Groundwater: Range: 70 to 75 feet.
Legal Action: Type:	Federal Consent Order	Status: Order Signed
Remedial Action: In Progress	Nature of action: Source and groundwater remediation.	

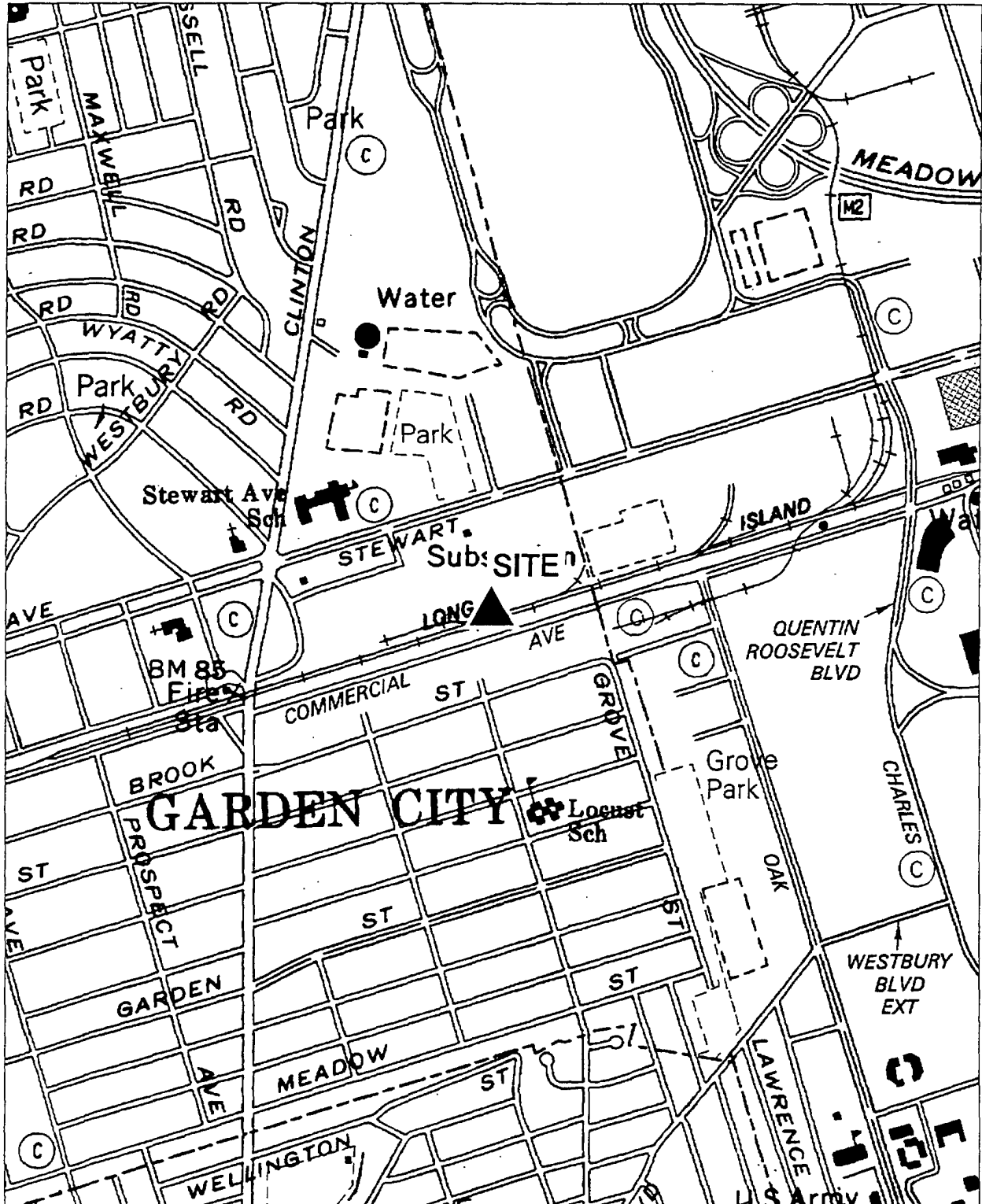
Assessment of Environmental Problems:

Groundwater and soil contamination, by hazardous waste, is evident. A plume of groundwater contamination exists in the area of this facility.

Assessment of Health Problems:

The site is located adjacent to and north of Bethpage State Park. The on-site shallow groundwater is contaminated with volatile organic compounds. Contaminants may migrate to the deeper Magothy aquifer which supplies the municipal water wellfields downgradient of the site (Bethpage Water District, southwest of the site, and Farmingdale Village Water District, south of the site). However, sampling data from the municipal water supplies indicate no contamination by organic compounds. All drums, tanks and product have been removed from the site. Site access is restricted by fencing and no evidence of trespassing exists.

SYL00115217



Site Location Map

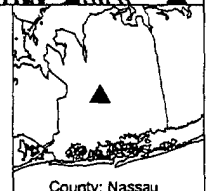
130016 Pasley Solvents & Chemicals, Inc.

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Nassau

SYL00115218

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Pasley Solvents & Chemicals, Inc.		Site Code: 130016
Class Code: 2	Region: 1	County: Nassau
Address: 556 Commercial Avenue / Garden City, NY 11530		EPA Id: NYD991292004
Latitude: 40° 43' 44"	Longitude: 73° 36' 52"	Site is on the EPA - National Priorities List.
Site Type: Structure	Estimated Size: 0.25 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Lawrence Bennett, Inc.
Current Owner(s) Address: 4 South Street / Oyster Bay, NY 11771
Owner(s) during disposal: Pasley Solvents & Chemicals, Inc.
Operator(s) during disposal: Pasley Solvents & Chemicals, Inc.
Stated Operator(s) Address: 556 Commercial Avenue / PO Box 118 / Garden City, NY 11530
Hazardous Waste Disposal Period: From: 1969 To: 1982

Site Description:

Pasley Solvents operated as a chemical distribution facility from 1969 through mid-1982. The site contains several above ground storage tanks. Contamination of soil and groundwater at this facility is noted to be from fuel oil, gasoline, solvents, and chlorinated hydrocarbons. Prior to 1969, the site was occupied by a fuel oil and gasoline distributor. The contamination on-site is suspected to have been caused by spills during loading and unloading operations at the aboveground tanks. There have also been illegal spills of oils and solvents on the ground. Found in on-site groundwater monitoring wells were methylene chloride, chloroform, trichloroethane, toluene, xylene, ethylbenzene and 1,1,1-trichloroethane; all in excess of the NYS Ambient Water Quality Standards and Guidance Values (Part 703). There is a threat to groundwater quality. The aboveground storage tanks were dismantled and removed starting in September of 1988 and completed by January of 1989. A Potentially Responsible Party (PRP) funded Remedial Investigation/ Feasibility Study (RI/FS) has been completed for this site, and a Record of Decision (ROD) was signed in 1992. An amended ROD was signed in March of 1995. The ROD called for remediation of the groundwater and soils both on site and off site using air sparging combined with soil vapor extraction. Construction of the ROD remedy was completed and became operational in October 1997. The on-site soil vapor extraction system removed 1,200 pounds of VOC contamination during calendar year 2001.

Confirmed Hazardous Waste Disposal:

Fuel oil, gasoline, solvents
Chlorinated hydrocarbons (FOO1 & FOO2)

Quantity:

unknown
unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:	Depth to	
Soil/Rock Type: Sand.	Groundwater:	Range: 20 to 25 feet.
Legal Action: Type:	Federal Consent Order	Status: Order Signed
Remedial Action:	In Progress	Nature of action: Air sparging & soil vapor extraction.

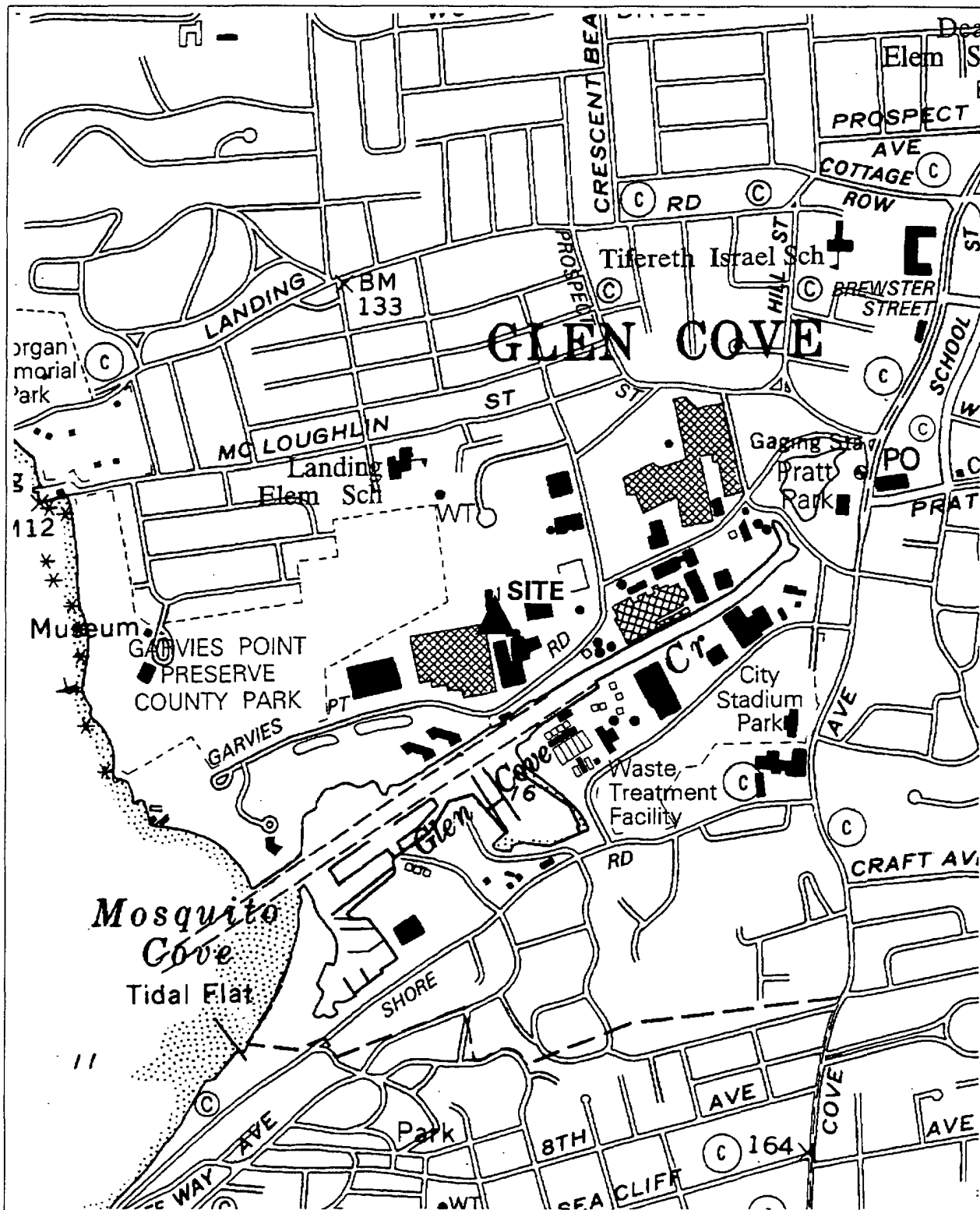
Assessment of Environmental Problems:

Hazardous waste disposal has caused groundwater contamination in excess of NYS standards in a sole source drinking water aquifer.

Assessment of Health Problems:

On-site soils are contaminated with organic chemicals and metals. Site access is controlled by a chain link fence and contaminated soils are beneath a gravel cover, limiting potential for exposure. On-site and off-site groundwater is contaminated with organic chemicals and metals at concentrations above standards for public drinking water supplies and could impact public drinking water supply wells. The closest downgradient public drinking water supply wells are about 1500 feet southeast of the site. The mandated testing of all area public supply wells will detect any contamination and, if necessary, the well may be shut down or a treatment system installed to prevent exposures. Remediation of on-site soils and groundwater is ongoing and should control the migration of contaminants from the site. A system monitoring program is in place to monitor the effectiveness of the remedy.

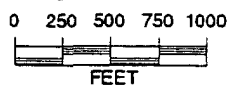
SYL00115219



Site Location Map

130017 Mattiace Petro Chemicals

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Nassau

SYL00115220

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Mattiace Petro Chemicals			Site Code: 130017
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD000512459
Address: Garvies Point Road / Glenwood Landing, NY 11547			
Latitude: 40° 51' 38"	Longitude: 73° 38' 34"	Site is on the EPA - National Priorities List.	
Site Type: Landfill	Estimated Size: 2.5 Acres		

Site Owner / Operator Information:

Current Owner(s) Name: *** Multiple Site Owners ***

Current Owner(s) Address:

Owner(s) during disposal: William Mattiace

Operator(s) during disposal: William Mattiace

Stated Operator(s) Address: Garvies Point Road / Glenwood Landing, NY 11547

Hazardous Waste Disposal Period: From: 1963 To: 1981

Site Description:

The Mattiace Petro Chemicals site is approximately 550 feet north of Glen Cove Creek which flows into Hempstead Bay. Mattiace began its operations in the mid-1960s, receiving chemicals by tank truck and blending and redistributing them to its customers. M&M Drum Cleaning Co., owned by Mattiace, also operated at the site until 1982. Operations stopped in September 1987. An EPA removal action in 1988 resulted in the off-site treatment & disposal of 100,000 gallons of hazardous materials from drums and above and below ground storage tanks. The collapse of a concrete retaining wall allowed contaminated soils to spill from the drum burial area into the neighboring property. A second removal action was performed dealing with stabilization of the retaining wall and repositioning of contaminated soils. The former Edmos Corp. site (site #130036) has been substantially delisted; a portion has been consolidated into the Mattiace site. That portion of the Edmos property includes the drum disposal area, where Mattiace had access to a right-of-way. The drum disposal area and resulting runoff to the Edmos property (from the collapse of the retaining wall) will be addressed under remediation of the Mattiace site. The Remedial Investigation/ Feasibility Study (RI/FS) for the first operable unit for the site wide remediation was completed in April 1991, and a Record of Decision (ROD) was signed on June 27, 1991. Pesticide removal is complete. Building demolition was completed in the Fall of 1996. The groundwater and soil vapor extraction system construction was completed in the fall of 1998. The plant is operating under the O & M Phase.

Confirmed Hazardous Waste Disposal:

Chlorinated hydrocarbons and solvents
(FOO1 & FOO2)

Quantity:

100 drums

Analytical Data Available for:	Groundwater	Surface Water	Soil
Applicable Standards Exceeded in:	Groundwater	Surface Water	
Geotechnical Information:			Depth to
Soil/Rock Type: Sand and clay.			Groundwater: Range: 30 to 35 feet.
Legal Action: Type:		Status:	
Remedial Action: In Progress		Nature of action: Soil vapor extraction system.	

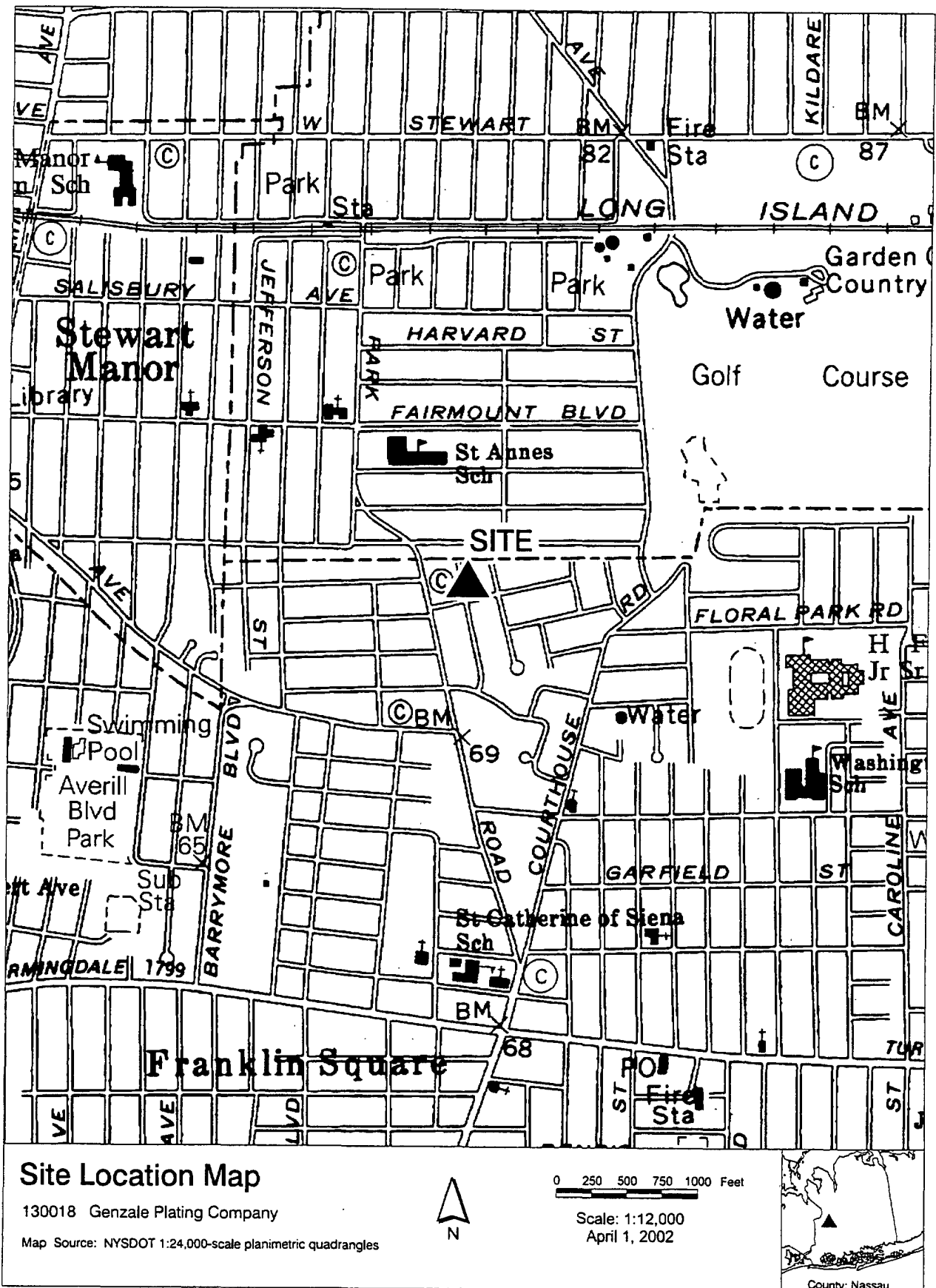
Assessment of Environmental Problems:

Hazardous waste disposal has caused contamination of soils, surface water, and groundwater. Surface water and groundwater contamination are at levels higher than NYS standards and guidelines.

Assessment of Health Problems:

Residents live within 200 yards of the site; two industrial/commercial facilities are immediately adjacent. Excavation of contaminated soils and removal of all tanks on-site, followed by soil vapor extraction and groundwater treatment, has reduced the potential for exposures to contaminated soil vapors in residences or businesses. Soil vapor testing has verified the effectiveness of the vapor extraction system at removing subsurface vapors from the southern portion of the site. Additional soil vapor testing is necessary along the eastern property line. There are no public supply wells downgradient of the site. The nearby Glen Cove Creek may be impacted by surface runoff, storm sewer drainage and groundwater seepage. The USEPA periodically tests the Creek; sampling data from the Creek have not indicated significant contamination.

SYL00115221



SYL00115222

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Genzale Plating Company			Site Code: 130018
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD002050110
Address: 288 New Hyde Park Road / Franklin Square, NY 11010			
Latitude: 40° 42' 58"		Longitude: 73° 40' 36"	Site is on the EPA - National Priorities List.
Site Type: Structure		Estimated Size: 0.5 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Genzale Plating Company
Current Owner(s) Address: 288 New Hyde Park Road / Franklin Square, NY 11010
Owner(s) during disposal: Genzale Plating Company
Operator(s) during disposal: Genzale Plating Company
Stated Operator(s) Address: 288 New Hyde Park Road / Franklin Square, NY 11010
Hazardous Waste Disposal Period: From: 1915 To: 1981

Site Description:

The facility is located in a residential area. The site consists of a two story building with a paved backyard. The backyard is approximately 150 feet x 90 feet and contains three leaching pools. Plating wastes were directly discharged by the facility into the on-site leaching pits from 1915 to 1955. Plating wastes discharge lines reportedly were rerouted to the Nassau Co. sewer lines in 1955. In 1981, the Nassau Co. Health and Public Works Dept. determined that the plating wastes were being released through conduits to the leaching pits. Wastewater samples collected from leaching pits indicated elevated levels of heavy metals, those of which include hexavalent chromium, iron, copper, nickel and zinc. There are four known pits and it is possible that there are still other abandoned pits existing on the site. Analysis of a soil sample recovered from one of the leaching pits indicated heavy metal contamination of the soil with Fe, Cr, Cu, Ni, and Zn. In 1992, a total of approximately 36 cubic yards of soil were removed from three leaching pits. Contaminated soil is still believed to be present. The site is split into two operable units. Operable unit #1 (OU-1) is the on-site source, the leaching pits. Operable unit #2 (OU-2) deals with off-site groundwater contamination. A Remedial Investigation / Feasibility Study (RI/FS) has been completed, and the Record of Decision (ROD) was signed by EPA in 1991 for OU-1. A RI/FS was completed for OU-2 in March 1995, and a ROD was issued in September 1995. Field work on implementing a Remedial Action for OU-1 (source-removal) was completed in September 1997. Additional groundwater sampling has indicated that VOC contamination is still emanating from the site. The EPA is conducting an off-site groundwater sampling effort, which began in the fall of 2001, to determine and identify the extent of the contamination.

Confirmed Hazardous Waste Disposal:

Heavy Metals, Fe, Cr, Cu, Zn, Ni
(D006) (D007)

Quantity:

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Surface Water
Geotechnical Information:		Depth to
Soil/Rock Type: Sand.		Groundwater: Range: 40 to 45 feet.
Legal Action: Type:		Status:
Remedial Action: Complete		Nature of action: Source removal at OU-1.

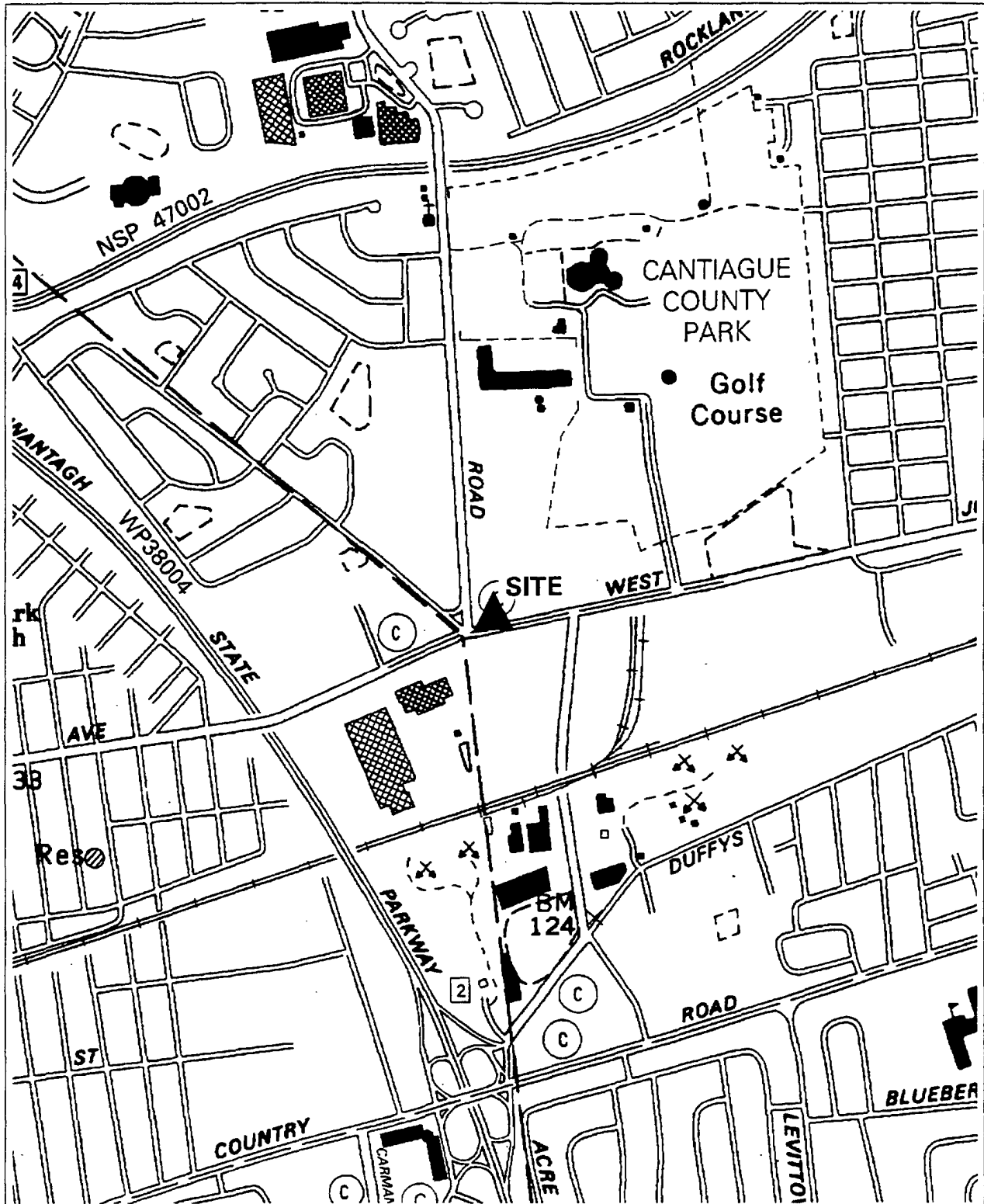
Assessment of Environmental Problems:

Soil and groundwater have been contaminated by heavy metals. A groundwater plume of contamination has moved off site.

Assessment of Health Problems:

The site is in a residential neighborhood. The site is entirely fenced to restrict access. Contaminated soils on-site were excavated and removed from the site. Off-site surface soils in adjacent yards were sampled for metals in June 1994 and the levels found were typical of suburban soils. Therefore, adjacent residential surface soils do not pose an exposure concern to residents. Although groundwater is contaminated with elevated levels of chromium downgradient of the site, exposures are not likely to occur. Due to volatile organic contamination from a different site, a treatment system is installed on a contaminated Franklin Square public drinking water supply wellfield and routine monitoring of the wells is conducted to verify compliance with drinking water standards.

SYL00115223



Site Location Map

130020 General Instruments Corporation

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



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FEET

Scale 1:12,000

April 1, 2002



County: Nassau

SYL00115224

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: General Instruments Corporation			Site Code: 130020
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD002045466
Address: 600 West John Street / Hicksville, NY 11801			
Latitude: 40° 45' 56"		Longitude: 73° 32' 60"	
Site Type: Structure		Estimated Size: 8 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Long Island Industrial
Current Owner(s) Address: 575 Underhill Boulevard - Suite 125 / Syosset, NY 11791
Owner(s) during disposal: General Instruments Corporation
Operator(s) during disposal: General Instruments Corporation
Stated Operator(s) Address: 600 West John Street / Hicksville, NY 11801
Hazardous Waste Disposal Period: From: 1980 To: unknown

Site Description:

This plant closed in March of 1994. A variety of solvents and acids were used in the production of microelectronic components. The effluent from production was discharged to the groundwater via a recharge basin and sewer. Violations of effluent limitations for the recharge occurred repeatedly for fluoride, xylene, methylene chloride, ethylbenzene, and trichloroethylene. The plant was connected to the county sewer system. In 1980, a leak was discovered in an underground waste solvent tank causing soil and groundwater contamination. Cleanup efforts, to date, include excavation of 25 cubic yards of contaminated soil, installation of monitoring wells, and a soil venting Interim Remedial Measure (IRM). In 1990, Remedial Investigation (RI) field work was started on site. Numerous groundwater monitoring wells were installed and soil borings taken. High levels of soil and groundwater contamination were found. Additional RI field work on site was completed in December of 1994. In 1996, a Feasibility Study (FS) for soil on Operable Unit No.1 (OU-1) was completed. The remedy selected was soil vapor extraction (SVE) from the unsaturated soils in three distinct areas, the location of a former 2000 gallon UST, the location of a former 1000 gallon UST, and a sump in a utility tunnel under the former plant building. The soil venting system was rebuilt and improved, and was started in November 1997. The off-site groundwater investigation started in the first half of 1997 and is continuing.

Confirmed Hazardous Waste Disposal:

Waste solvents, phenols

Trichloroethylene (TCE)

Xylene, Dichlorobenzene (FOO1) (FOO2)

Tetrachloroethylene (PCE or "perc.")

Quantity:

unknown

unknown

unknown

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Sand.		Groundwater: Range: 55 to 60 feet.

Legal Action: Type: State CO - RI/FS, RD/RA	Status: Order Signed
Remedial Action: In Progress	Nature of action: IRM-Soil remediation. RI/FS + RD/RA.

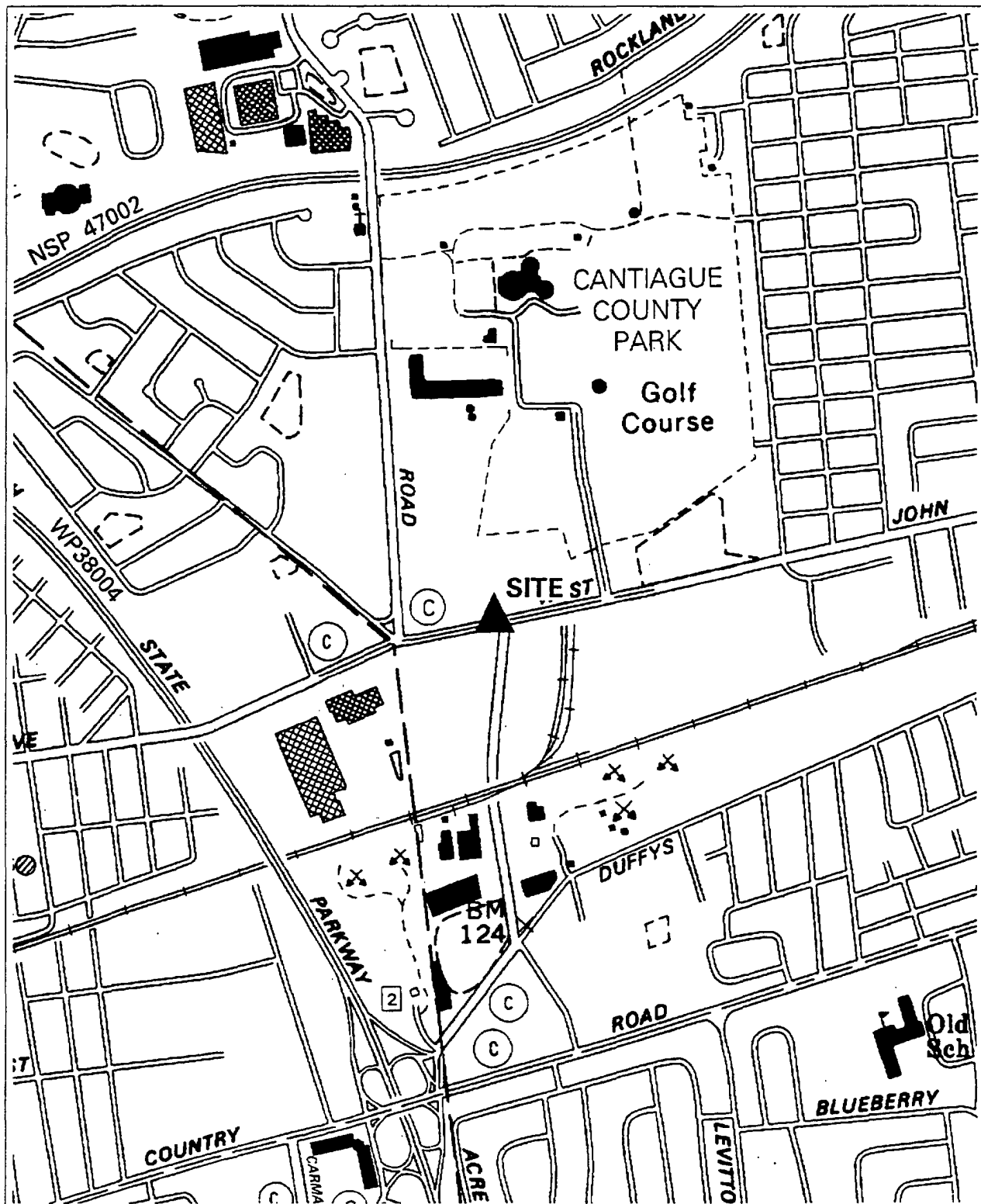
Assessment of Environmental Problems:

Hazardous waste disposal has caused contamination of soils and ground water in the area of this site. An off-site plume has affected ground water quality downgradient of this facility.

Assessment of Health Problems:

Groundwater is the sole source of drinking water in the area. Exposures to site-related contaminants in groundwater are not expected since the area is served by public water. Industrial and monitoring wells downgradient of the site are contaminated with volatile organic compounds (VOCs). The industrial wells are not used for drinking water purposes. Public drinking water supply wells downgradient of the site are treated to remove low levels of VOC contamination not specifically associated with this site. However, these wells could be impacted in the future due to a significant contamination plume leaving the site. The wells are monitored routinely to verify compliance with New York State drinking water standards.

SYL00115225



Site Location Map

130021 Anchor Lith Kem Ko (Anchor Chem)

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



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FEET

Scale 1:12,000

April 1, 2002



County: Nassau

SYL00115226

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Anchor Lith Kem Ko (Anchor Chem)	Site Code: 130021
Class Code: 2 Region: 1 County: Nassau	EPA Id: NYD001485226
Address: 500 West John Street / Hicksville, NY 11801	
Latitude: 40° 45' 56" Longitude: 73° 32' 53"	
Site Type: Structure	Estimated Size: 1 Acres

Site Owner / Operator Information:

Current Owner(s) Name: KB Company c/o Spiegel Associates
Current Owner(s) Address: 375 North Broadway / Jericho, NY 11753
Owner(s) during disposal: Anchor Chemical
Operator(s) during disposal: Anchor Chemical
Stated Operator(s) Address: 500 West John Street / Hicksville, NY 11801
Hazardous Waste Disposal Period: From: 1964 To: present

Site Description:

Anchor Chemicals operated at the John Street location from 1964-1986. In 1978, Anchor Chemicals was purchased by Chessco Industries and the facility name was changed to Anchor Lith Kem Ko. This facility blended and packed chemicals for the graphic art industries. Seventeen storage tanks, with capacities ranging from 550 to 4,000 gallons, are located beneath the concrete floor of the building and containing 1,1,1-trichloroethane and methylene chloride were found to be leaking. Three monitoring wells were installed on site during the Pre-Remedial Investigation (PRE-RI) to determine if groundwater was contaminated by the leaking tanks. Initial results from the study showed high levels of contamination emanating from the site, leading to the listing of the site on the National Priorities List (NPL). A Draft RI was submitted in the summer of 1993. The report revealed that there was a significant decrease in contaminant levels. The contaminant levels had dropped to levels low enough to meet almost all groundwater standards. Further soil and groundwater sampling was conducted in February of 1995, in order to gather more analytical data to improve the study. The results of that sampling led to a removal action at four dry wells, and subsequently, to a "no further action" Record of Decision (ROD) in September of 1995. Groundwater monitoring was done to confirm that the remedy was sufficient. The final confirmatory round of sampling was conducted in the summer of 1997. Based on the results of that sampling, the U.S. Environmental Protection Agency (USEPA) has removed the site from the NPL.

Confirmed Hazardous Waste Disposal:

1,1,1-Trichloroethane (FOO1 & FOO2)
Methylene chloride

Quantity:

unknown
unknown

Analytical Data Available for:	Groundwater Soil
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	Depth to
Soil/Rock Type: Sand.	Groundwater: Range: 55 to 60 feet.
Legal Action: Type: Federal Consent Order -RI/FS	Status: Order Signed
Remedial Action: Complete	Nature of action: Removal action at four dry wells.

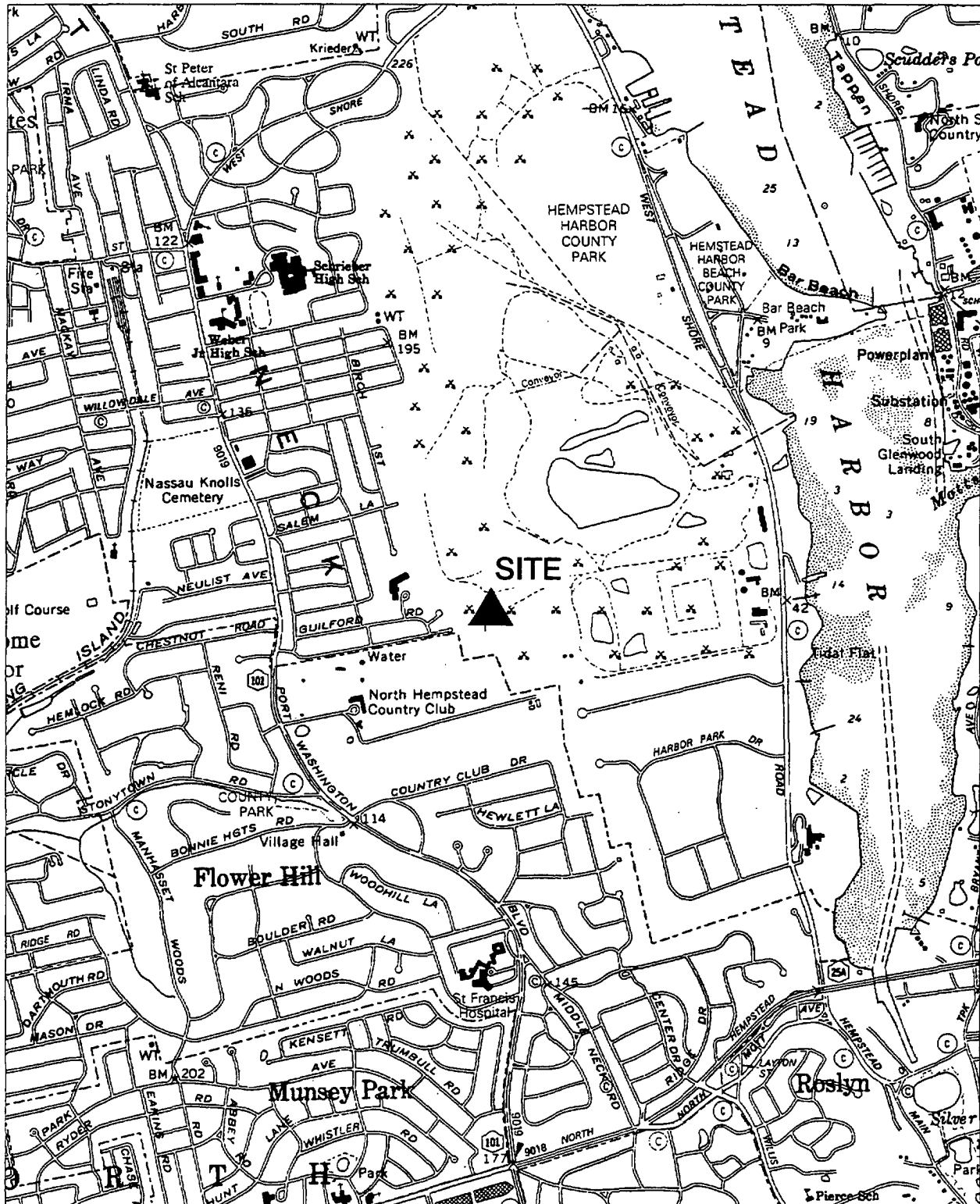
Assessment of Environmental Problems:

Soil and groundwater contamination by organic solvents has occurred. Groundwater is contaminated above the standards in the sole source drinking water aquifer. The removal of contaminated drywell sediments has improve the aquifer's quality.

Assessment of Health Problems:

Elevated levels of volatile organic compounds (VOCs) have been detected in on-site groundwater but it is possibly from an off-site source. Groundwater flow in the area is generally to the south, and groundwater is the sole source of drinking water. Industrial supply wells and monitoring wells downgradient of the site are contaminated with volatile organic compounds. The industrial wells are not used for drinking water. Two public water supply wells 4000 and 6000 feet south of Anchor Lith Kemko are contaminated with 1,1,1-trichloroethane and tetrachloroethene slightly in excess of NYS drinking water standards. One of these public supply wells is closed indefinitely and a treatment system has been installed on the other well. Four other public water supply wells within 6000 feet of the site are not contaminated.

SYL00115227



Site Location Map

130025 Port Washington LF (N. Hempstead LF)

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles

0 500 1000 1500 2000
FEET



Scale: 1:24,000
April 1, 2002

County: Nassau

SYL00115228

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Port Washington LF (N. Hempstead LF)	Site Code: 130025
Class Code: 2 Region: 1 County: Nassau	EPA Id: NYD980654206
Address: Shore Road / Port Washington, NY 11050	
Latitude: 40° 49' 3"	Longitude: 73° 40' 10" Site is on the EPA - National Priorities List.
Site Type: Landfill	Estimated Size: 40 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Town of North Hempstead
Current Owner(s) Address: Plandome Road / Manhasset, NY 11030
Owner(s) during disposal: Town of North Hempstead
Operator(s) during disposal: Town of North Hempstead
Stated Operator(s) Address: Plandome Road / Manhasset, NY 11030
Hazardous Waste Disposal Period: From: 1974 To: unknown

Site Description:

The Port Washington Landfill is located in northwestern Nassau County. This site is now an inactive municipal landfill that was closed in May 1983 and was accepted as a Federal Superfund site. A twenty mil PVC liner and a leachate drainage and collection system were installed at the beginning of the landfill operations in 1974. A leachate treatment system was installed in September 1977. An active subsurface gas vent and manifold system and a combustion unit, became operational in 1983-1984. A Remedial Investigation / Feasibility Study (RI/FS) was completed in 1989. A Record of Decision (ROD) was signed that called for a Part 360 closure, a groundwater remediation program, and upgrading of the gas collection system already in place. An EPA Consent Order for remedial design was signed in September 1991. The active subsurface vent system has been rehabilitated. Town personnel "sculpted" the landfill to final grades with the placing of 360,000 cubic yards of fill material. Construction of the Part 360 Landfill cap occurred during the summer and fall of 1996. The construction of the groundwater pump and treatment plant occurred during 1998 and the plant became fully operational in the spring of 2000. The landfill gas perimeter collection system expansion was completed in February, 2000, per the ROD. The collection system now encircles three of the four sides of the landfill. A contaminated groundwater plume on the adjacent "Morewood Property" has been investigated and is being routinely monitored for any unexpected changes.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene (PCE or "perc.")
 Trichloroethylene (TCE)
 1,1,1-Trichloroethane (TCA)

Quantity:

unknown
 unknown
 unknown

Analytical Data Available for: Air Groundwater
Applicable Standards Exceeded in: Groundwater
Geotechnical Information:
Soil/Rock Type: Sand. Depth to Groundwater: Range: 15 to 20 feet.
Legal Action: Type: Federal Consent Order Status: Order Signed
Remedial Action: Complete Nature of action: Cap + GW pump & treat + gas vent rehab.

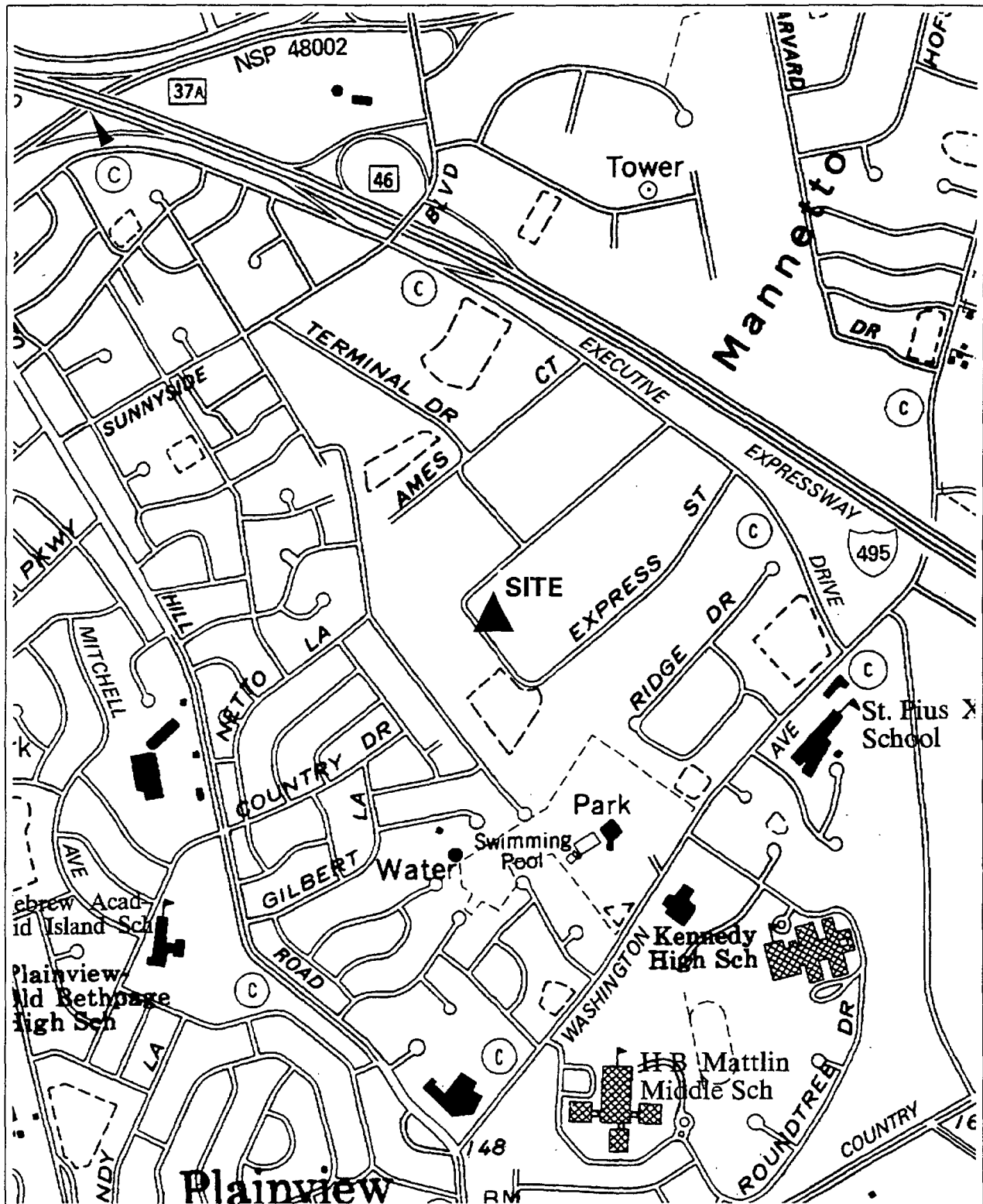
Assessment of Environmental Problems:

Groundwater and air contamination has been noted at this site.

Assessment of Health Problems:

Ambient air and soil vapor exposures off-site have been eliminated by the installation of soil-gas collection and treatment systems. A report on environmental sampling at the nearby Salem Non-Instructional Center did not indicate a potential for exposures to site-related contamination at the school. The Southport Public Supply well is 800 feet to the west and upgradient from the landfill, however the well is not in service due to the presence of low levels of volatile organic contaminants. Cancer studies completed in 1987 and 1988 found an elevated incidence of brain cancer among males in the study area for cancers diagnosed in the years 1978 to 1987. All brain cancer cases were clustered in a small section of the original study area and only one case had a known risk factor for brain cancer. The cause for the elevated incidence of brain cancer in the remaining cases was not determined.

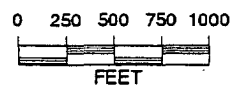
SYL00115229



Site Location Map

130026 Three Dimensional Circuits

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000

April 1, 2002



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Three Dimensional Circuits	Site Code: 130026
Class Code: 4 Region: 1 County: Nassau	EPA Id: NYD990774184
Address: 31 Commercial Street / Plainview, NY 11803	
Latitude: 40° 47' 18" Longitude: 73° 27' 59"	
Site Type: Structure	Estimated Size: 0.2 Acres

Site Owner / Operator Information:

Current Owner(s) Name: D. Axinn Company
Current Owner(s) Address: 131 Jericho Turnpike / PO Box 72 / Jericho, NY 11753
Owner(s) during disposal: Three Dimensional Circuits
Operator(s) during disposal: Three Dimensional Circuits
Stated Operator(s) Address: 31 Commercial Street / Plainview, NY 11803
Hazardous Waste Disposal Period: From: 1977 To: 1984

Site Description:

The Three Dimensional Circuits site is located in an industrial park in Plainview. The company manufactured printed circuit boards. A RI was completed in April 1999. The RI revealed that on-site soil and groundwater had been impacted by discharges of metal plating waste (copper and lead) into an on-site leaching pool system. Under an IRM which was completed in April 1998, 204 tons of contaminated soil was removed from the site. A record of Decision (ROD) was issued in March 2000 which requires groundwater samples to be acquired from the on-site and off-site monitoring wells on a quarterly basis for a minimum of two years. The first round of quarterly groundwater samples were acquired in January 2002.

Confirmed Hazardous Waste Disposal:

Copper, lead (D008)

Quantity:

unknown

Analytical Data Available for: Groundwater Soil Sediment	
Applicable Standards Exceeded in: Drinking Water	
Geotechnical Information:	Depth to
Soil/Rock Type: Sand.	Groundwater: Range: 90 to 95 feet.
Legal Action: Type: State Consent Order -RI/FS	Status: Order Signed
Remedial Action: Complete	Nature of action: IRM-Soil removal.

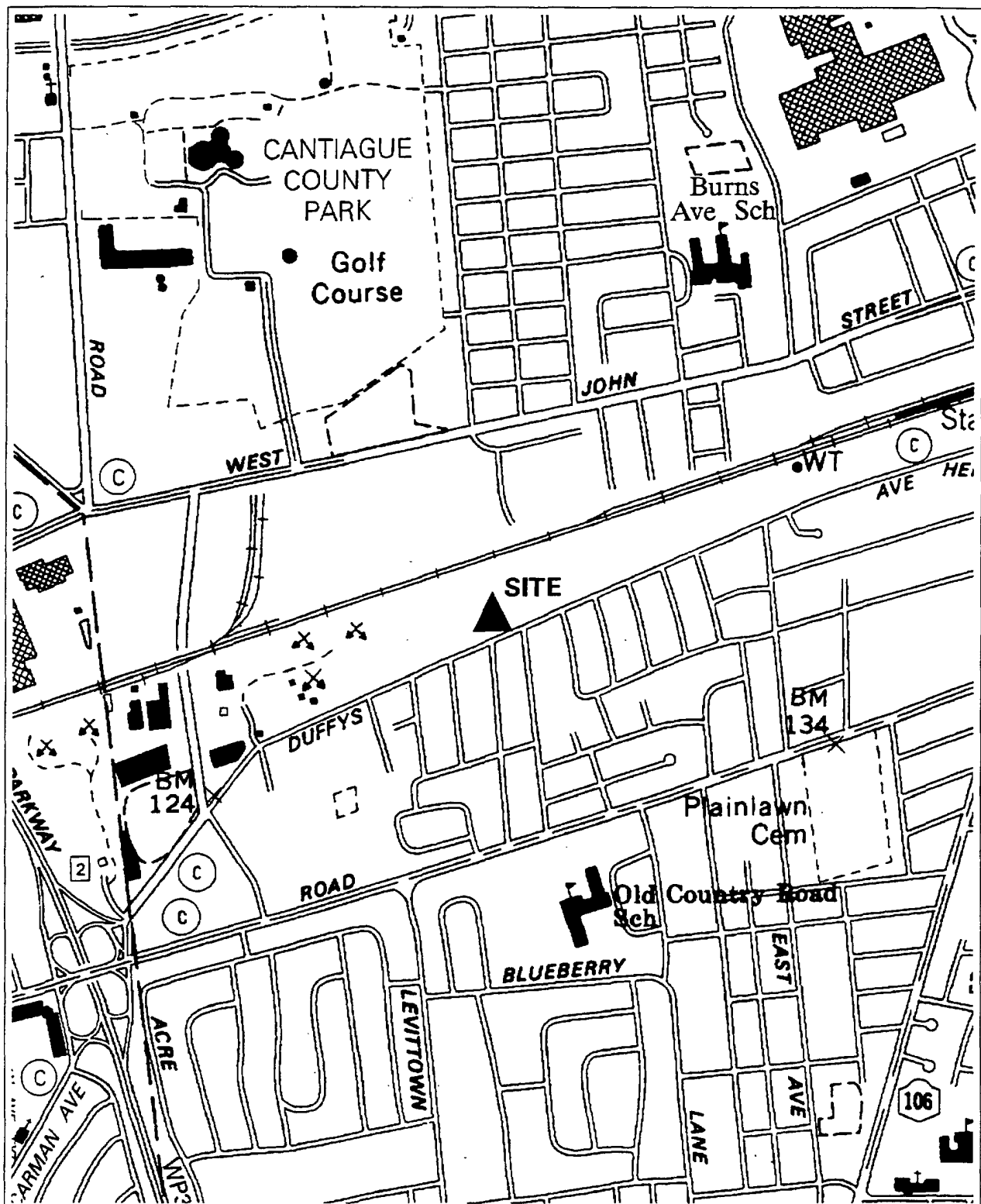
Assessment of Environmental Problems:

Slightly elevated levels of copper and lead exist in on-site groundwater. Off-site groundwater has not been found to exceed drinking water standards. A groundwater monitoring program is underway to evaluate the effectiveness of prior IRMs in reducing groundwater contamination.

Assessment of Health Problems:

On-site soil samples contained chromium and copper. Groundwater contamination levels have declined since the Interim Remedial Measure (IRM) soil removal. A public water supply well a half mile from the site is operated by the Plainview Water District. Monitoring by Nassau County Department of Health shows no evidence of site-related contamination in the public water supply well. There are no private drinking water wells within the area. The site is not fenced and entrance to the property is not controlled, but all soils above DEC soil remediation guidelines that were subsurface have been removed. There are no nearby residential areas and no evidence of on-site trespassing.

SYL00115231



Site Location Map

130027 Alsly Manufacturing, Inc.

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



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FEET

Scale 1:12,000

April 1, 2002



County: Nassau

SYL00115232

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Alsy Manufacturing, Inc.		Site Code: 130027	
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD981184237
Address: 270/280 Duffy Avenue / Hicksville, NY 11801			
Latitude: 40° 45' 47"		Longitude: 73° 32' 26"	
Site Type: Structure		Estimated Size: 4 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **Long Island Industrial**
 Current Owner(s) Address: **575 Underhill Boulevard - Suite 125 / Syosset, NY 11791**
 Owner(s) during disposal: **Balatem Corporation**
 Operator(s) during disposal: **Alsy Manufacturing, Inc.**
 Stated Operator(s) Address: **270/280 Duffy Avenue / Hicksville, NY 11801**
 Hazardous Waste Disposal Period: **From: 07/01/77 To: 08/01/84**

Site Description:

Alsy Manufacturing produced lamps and lamp shades. The process involved bronze plating, electroplating and antiquing. Various wastes, including wastewater, treatment sludge, paint thinner, paint strippers, and 1,1,1- trichloroethane were generated and stored on-site. From 1977 until 1983, Alsy repeatedly violated its SPDES permit. A 1984 NYSDEC investigation revealed the presence of metals and volatiles at elevated levels in on-site leaching pools. A 1988-1989 groundwater investigation by the PRP's consultant revealed the presence of several metals, including lead at up to 780 ppb, and volatiles, including 1,1,1- trichloroethane at up to 4000 ppb, in groundwater beneath the site. Based on the review of available data, including the PRP's investigation of this site, DEC has determined that the on-site sanitary pools have contributed to groundwater contamination. The presence of hazardous waste has been documented and a threat to the environment is based on exceedance of groundwater standards in the monitoring wells. The groundwater is part of the Long Island aquifer and is classified as a sole source drinking water aquifer. Cesspools in the south parking lot have been abandoned. An RI/FS Consent Order has been signed by the PRP and all RI fieldwork was completed. The results of the RI showed that there is extensive soil contamination by metals, especially nickel and zinc, as well as nickel at over 8,000 ppb and zinc at over 1,300 ppb in the groundwater. Supplemental and post supplemental remedial investigation tasks have been completed. Off-site groundwater samples, acquired during supplemental RI field work, were not contaminated above standards. The volatile organic compounds that had been detected in on-site soil and groundwater in the past were no longer present during the RI. A proposed remedy is under evaluation. The additional source investigation was completed in 2001 and identified a possible source of the dissolved nickel plume. Limited off-site groundwater profiling remains to be completed prior to selecting the remedy. This work is planned for the first quarter of 2002.

Confirmed Hazardous Waste Disposal:

Methylene chloride

1,1,1-Trichloroethane, toluene, xylene,

Ethyl benzene, 1,2-dichloropropane

Aluminum, arsenic, copper, cadmium, chromium,

Lead, 1,1- dichloroethene, ethane and zinc

Cyanide, nickel (FOO1) (FOO2) (DOO4) (DOO6)

(DOO7) (DOO8)

Quantity:

unknown

unknown

unknown

unknown

unknown

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:		Depth to
Soil/Rock Type: Coarse sand and gravel.		Groundwater: Range: 55 to 60 feet.
Legal Action: Type: State Consent Order -RI/FS		Status: Order Signed
Remedial Action: In Progress		Nature of action: RI/FS.

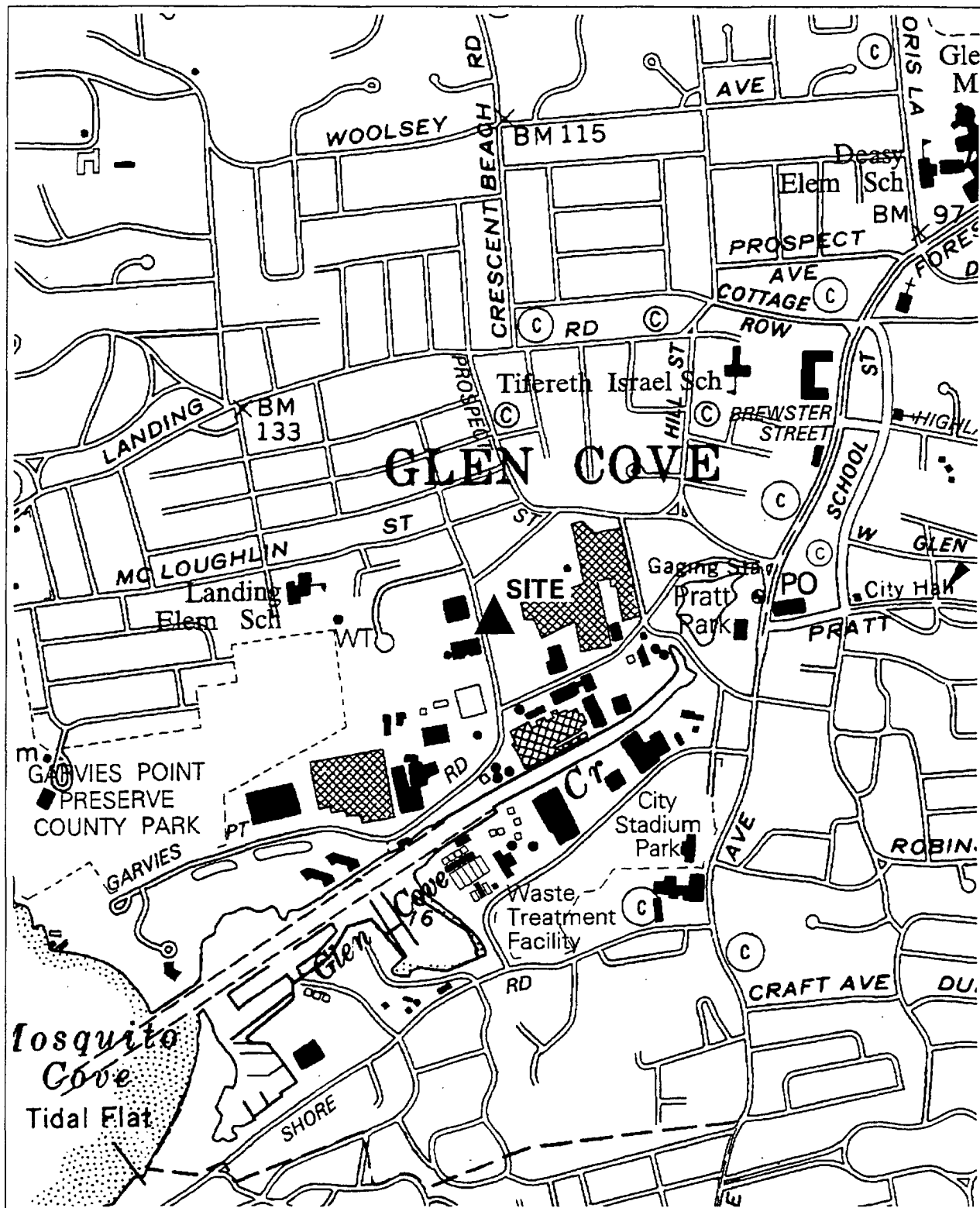
Assessment of Environmental Problems:

This site is contaminating the aquifer with metals in excess of the groundwater and drinking water standards. On-site sanitary pools leaching into the groundwater have contributed to this contamination.

Assessment of Health Problems:

Employees could be exposed to low levels of metals in surface soils. Access to the site is partially restricted by fencing, but trespassers could access the area. Subsurface soils and groundwater are contaminated with nickel. The area is served by public water, so exposures to contaminated groundwater are not expected. Monitoring wells 1500 to 4800 feet south of Alsy have contained volatile organic compounds above New York State standards for public drinking water supplies. Public drinking water supply wells 5400 feet downgradient of Alsy are contaminated with trichloroethene at levels that slightly exceed New York State standards for public drinking water supplies. A treatment system is installed on the wells to remove the trichloroethene prior to distribution.

SYL00115233



Site Location Map

130028 Powers Chemco

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



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Scale 1:12,000

April 1, 2002



County: Nassau

SYL00115234

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Powers Chemco	Site Code: 130028
Class Code: 4	Region: 1
County: Nassau	EPA Id:
Address: 71 Charles Street / Glen Cove, NY 11542	
Latitude: 40° 51' 46" Longitude: 73° 38' 25"	
Site Type: Dump	Estimated Size: 1.4 Acres

Site Owner / Operator Information:

Current Owner(s) Name: **Konica Imaging USA, Inc.**
Current Owner(s) Address: **71 Charles Street / Glen Cove, NY 11542**
Owner(s) during disposal: **Columbia Ribbon & Carbon Manufacturing**
Operator(s) during disposal: **Columbia Ribbon & Carbon Manufacturing**
Stated Operator(s) Address: **71 Charles Street / Glen Cove, NY 11542**
Hazardous Waste Disposal Period: **From: 1950s To: 1979**

Site Description:

The Property adjacent to the Powers Chemco plant was purchased for use as a parking lot. The previous owner, Columbia Ribbon Co., had contaminated areas with inks and solvents, primarily toluene. Powers Chemco voluntarily submitted plans for a removal action to the DEC; drums and soil were removed in 1984 under a Consent Order. A supplemental hydrogeologic investigation and a Remedial Investigation/Feasibility Study (RI/FS) were also completed under a Consent Order. A Record of Decision (ROD) was signed on March 22, 1991. The remedy specified in the ROD calls for vacuum extraction of contaminated soils, groundwater collection and treatment, and air emission controls. The design was approved on June 29, 1993. The remedial system constructed at this site was completed in compliance with the ROD and the approved design. Start-up of the system has taken place and the system is operating as designed. Contamination exists at the site in soils and groundwater, however, the remedial effort is now in an operation, maintenance and monitoring phase. On August 28, 1996, the remedial system was temporarily shutdown in accordance with the criteria set forth in the Performance Analysis and Design Modification Plan. The remedial system was re-started in February 1997. A second temporary shutdown of the SVE system was implemented in September 1999 and the groundwater system in November 1999. A report containing a request for permanent shutdown is under review.

Confirmed Hazardous Waste Disposal:

Inks

Solvents (toluene) (FOO5)

Ethylbenzene

Ethylacetate

Quantity:

unknown

267 drums (50 crushed)

4645 tons of soil removed

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:		Depth to
Soil/Rock Type: Sand and gravel with clay lenses.		Groundwater: Range: 1 to 10 feet.
Legal Action: Type: State Consent Order -RD/RA		Status: Order Signed
Remedial Action:		Nature of action: SVE + GW treatment + air emissions treatment.

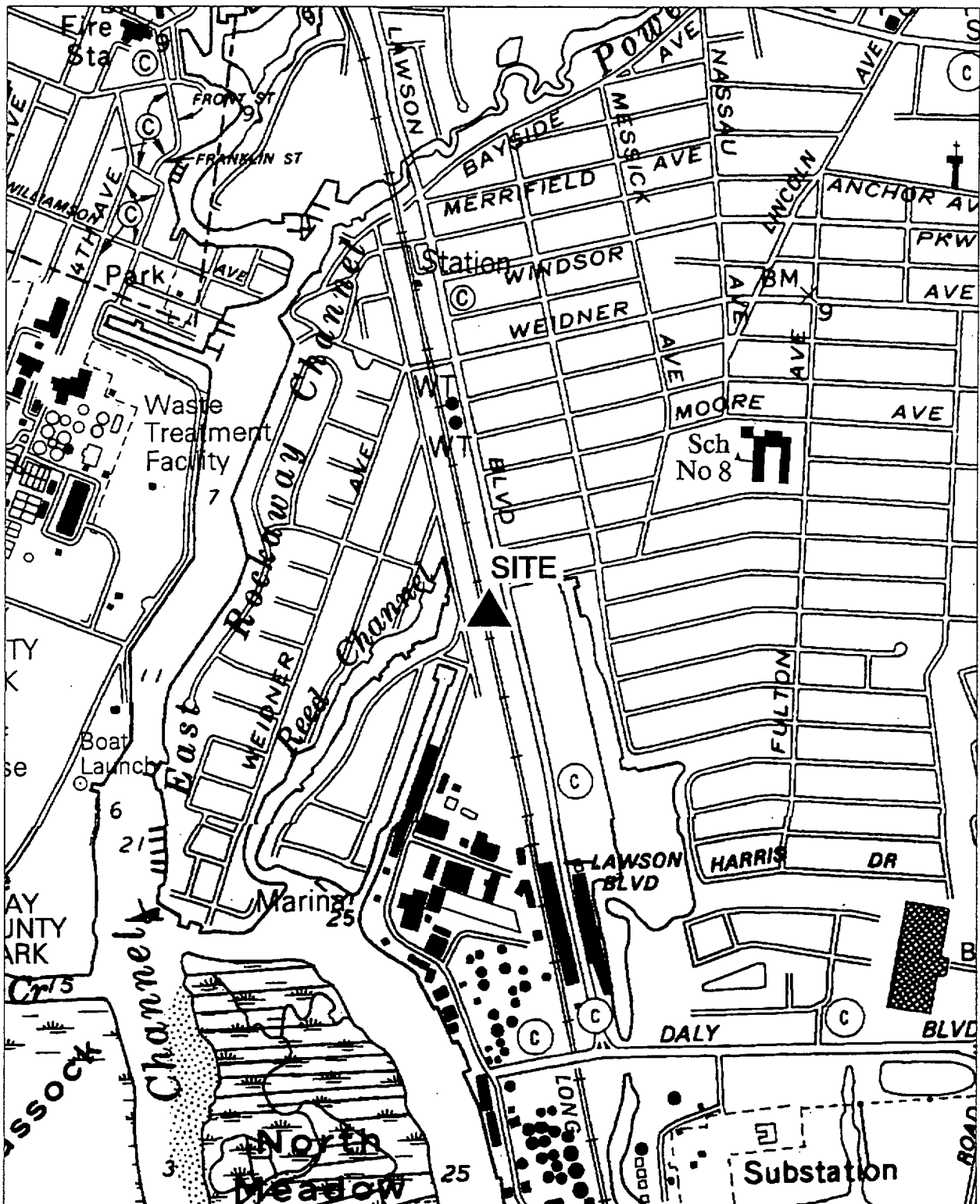
Assessment of Environmental Problems:

Soil and groundwater contamination confirmed. The majority of the contamination is limited to the original disposal area. The remedial effort is now in an operation, maintenance and monitoring phase:

Assessment of Health Problems:

On-site groundwater monitoring wells are contaminated with volatile organic compounds at levels above New York State Drinking Water Standards. Groundwater is moving south toward Glen Cove Creek, which discharges into Hempstead Harbor. Exposures to contaminated groundwater are not expected, as no public water supply wells are downgradient of the site. Soil gas sampling in 1992 indicated that contaminated soil vapors were not migrating in the direction of homes located on Place St. The completed implementation of the remedial plan further reduces the potential for contaminant migration.

SYL00115235



Site Location Map

130030 Autotronic Products, Inc.

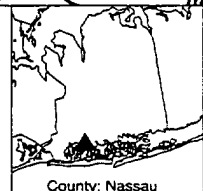
Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



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Scale: 1:12,000

April 1, 2002



County: Nassau

SYL00115236

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Autotronic Products, Inc.			Site Code: 130030
Class Code: 3	Region: 1	County: Nassau	EPA Id: NYD981184211
Address: 3300 Lawson Boulevard / Hempstead, NY 11550			
Latitude: 40° 37' 44"		Longitude: 73° 39' 10"	
Site Type: Structure		Estimated Size: 1 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Joseph Spadafina
Current Owner(s) Address: 3300 Lawson Boulevard / Hempstead, NY 11550
Owner(s) during disposal: Union Corporation/Joseph Spadafina
Operator(s) during disposal: Union Corporation/Autotronic Products
Stated Operator(s) Address: Corporate Headquarters / Verona, PA 15147
Hazardous Waste Disposal Period: From: unknown To: 1983

Site Description:

The Autotronic Products site is a one story building located on a five acre industrial area in Hempstead. Autotronic Products operations involve the assembly and soldering of printed circuit boards for public distribution. The only reported violation at the site is the dumping of small amounts of tetrachloroethene on the ground behind the building. The on-site dumping of waste is believed, by the current owner, to have occurred for approximately one year from 1981 to early 1982. A small quantity of solvent was periodically dumped on the ground behind the building for a long period of time. A Phase I Investigation has been completed. This site was sampled in 1989 and soil contamination was confirmed. A state funded Preliminary Site Assessment (PSA), was completed in 1993. It revealed that 1,1,1-trichloroethane, tetrachloroethene and derivatives of the compounds existed in the groundwater beneath the site at a total concentration of 910 ppb. These elevated levels were found only in the well located closest to the waste solvent disposal. In the well further downgradient these contaminants were either undetected or at much lower concentrations. It is evident that due to the low permeability associated with the site-specific soils, and the facility's location (in a groundwater discharge zone and far from any supply wells) the site does not pose a significant threat to the environment. The site has been referred to the Oil Spill Unit.

Confirmed Hazardous Waste Disposal:

1,1,1-Trichloroethane {(TCA) (F001 waste)}
Tetrachloroethylene {(PCE or "perc.") (F001)}

Quantity:

unknown
unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Sand with variable organics and layers of peat.		Groundwater: Range: 1 to 5 feet.
Legal Action: Type:		Status:
Remedial Action:	Nature of action:	

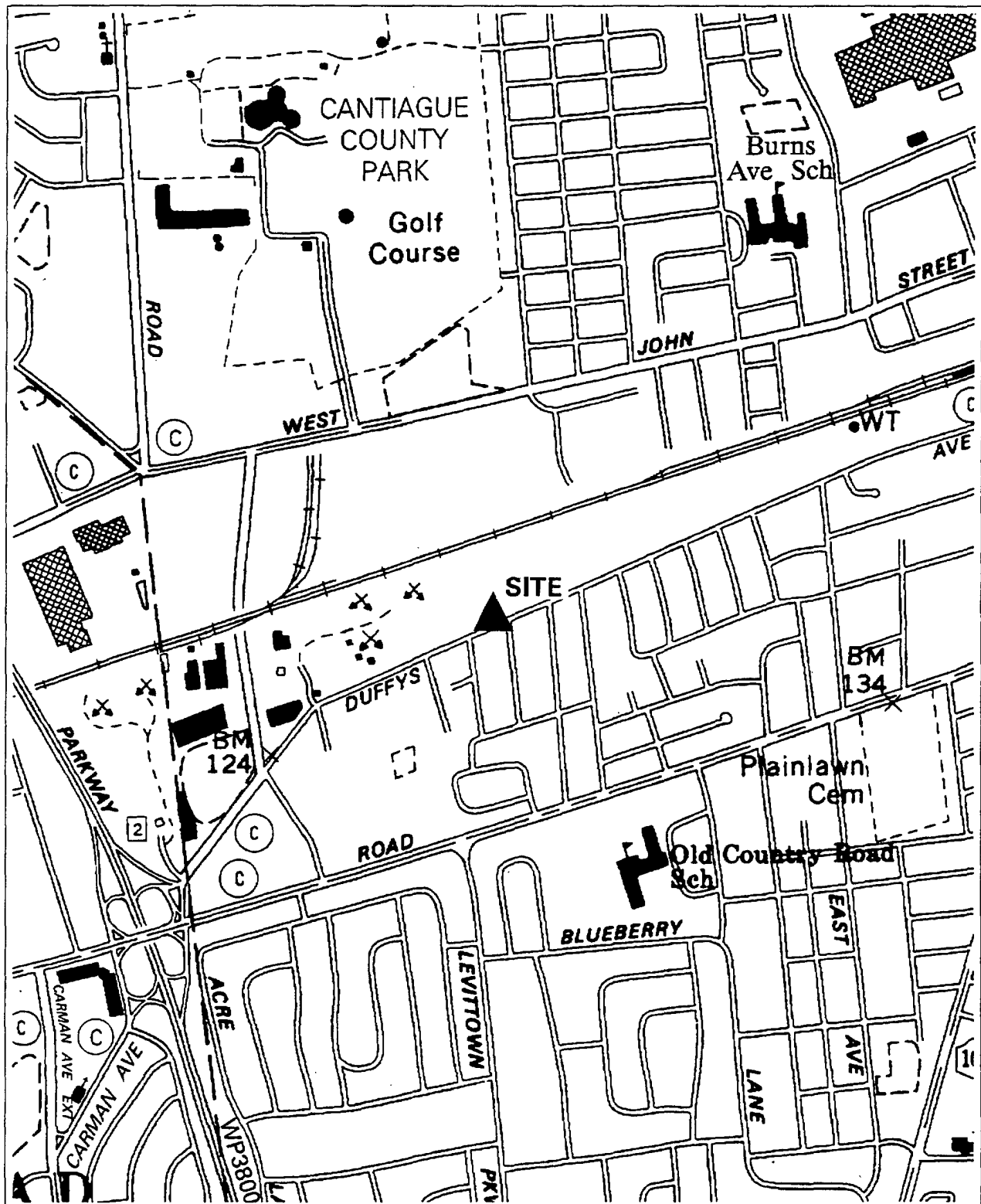
Assessment of Environmental Problems:

Soil and groundwater contamination by solvents has been confirmed.

Assessment of Health Problems:

Used solvents and soldering wastes were spilled onto the ground and allowed to evaporate. This improper disposal of wastes resulted in groundwater contamination beneath the site with organic and inorganic compounds at levels that exceed public drinking water standards. The nearest public drinking water supply wellfield is upgradient of the site and therefore will not be impacted by the site. Exposure to contaminated subsurface soils is unlikely unless soil excavation is conducted in the future.

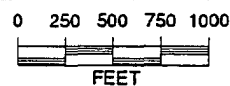
SYL00115237



Site Location Map

130031 Magnusonics Devices

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000

April 1, 2002



County: Nassau

SYL00115238

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Magnusonics Devices	Site Code: 130031
Class Code: 2 Region: 1 County: Nassau	EPA Id: NYD005923560
Address: 290 Duffy Avenue / Hicksville, NY 11801	
Latitude: 40° 45' 45" Longitude: 73° 32' 31"	
Site Type: Structure	Estimated Size: 5 Acres

Site Owner / Operator Information:

Current Owner(s) Name: International Clinical Devices
Current Owner(s) Address: 575 Underhill Boulevard / Syosset, NY 11803
Owner(s) during disposal: Magnusonics Devices
Operator(s) during disposal: Magnusonics Devices
Stated Operator(s) Address: 290 Duffy Avenue / Hicksville, NY 11801
Hazardous Waste Disposal Period: From: 1978 To: 1986

Site Description:

Magnusonics Devices manufactured computer tape recording heads, an operation which generated both hazardous and non-hazardous wastes. Solvents and metals were discharged into cesspools on site. Soil samples taken at two locations on site revealed chromium at 1650 ppm and lead at 1170 ppm. Groundwater sampling also detected 1,1,1-trichloroethane at 72 ppb in downgradient monitoring well MW-4. The site was closed and sold in 1987 in accordance with RCRA regulations. The Consent Order for a Remedial Investigation/Feasibility Study (RI/FS) was signed and the Remedial Investigation has been completed. The RI revealed metals contaminated soil in 5 storm drains at the site. The extent of the metals contaminated "fill material" at the northern portion of the site was determined. The remedial design was completed in August, 2000. The Remedial Action began on July 19, 2001. The Bureau of Construction Services (BCS) performed a final inspection on October 18, 2001.

Confirmed Hazardous Waste Disposal:

Chromium D007
Lead D008

Quantity:

unknown
unknown

Analytical Data Available for: Groundwater Soil	
Applicable Standards Exceeded in: Groundwater	
Geotechnical Information:	Depth to
Soil/Rock Type: Organic-rich silt and sand over sand and gravel.	Groundwater: Range: 55 to 60 feet.
Legal Action: Type: State Consent Order -RI/FS	Status: Order Signed
Remedial Action: Complete	Nature of action: Excavation

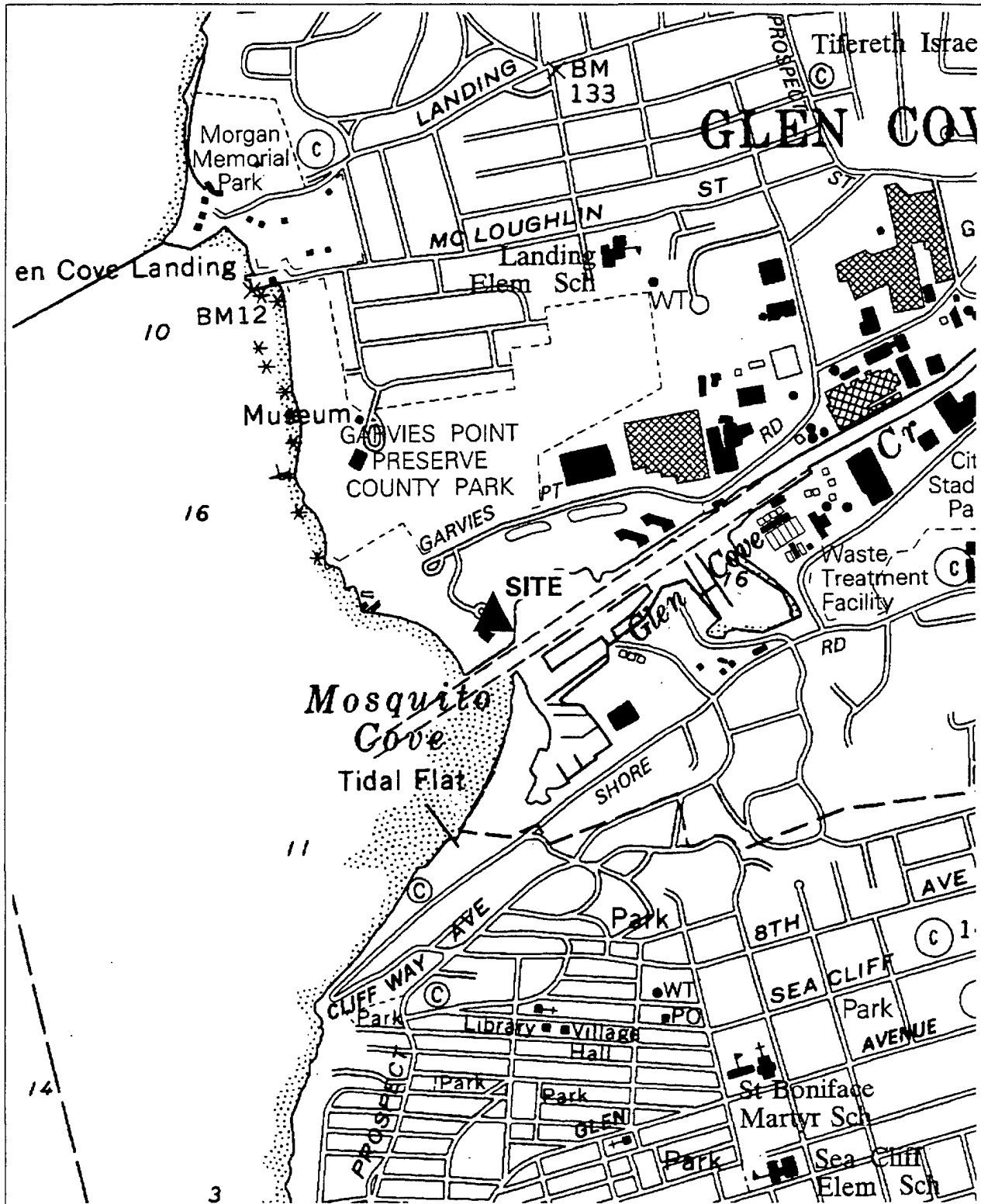
Assessment of Environmental Problems:

Lead, chromium, nickel, zinc and copper contamination in soil has been confirmed.

Assessment of Health Problems:

Groundwater is the primary source of drinking water in the area, and there are numerous public water supply wells within a three mile radius of the site. Several wells owned by the Hicksville Water District are contaminated with volatile organic compounds (VOC). These wells are being treated using air strippers. The Remedial Investigation for this site did not find significant levels of VOCs in on-site groundwater. Soil sampling data indicated that soil at the site was contaminated with metals, however, this soil has been removed.

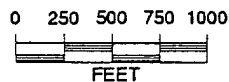
SYL00115239



Site Location Map

130032 Captains Cove Condominiums

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Nassau

SYL00115240

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Captain's Cove Condominiums	Site Code: 130032
Class Code: 2 Region: 1 County: Nassau	EPA Id: NYD000006937
Address: Garvies Point Road / Glen Cove, NY 11542	
Latitude: 40° 51' 24" Longitude: 73° 38' 53"	
Site Type: Dump	Estimated Size: 10.6 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Village Green Realty
Current Owner(s) Address: 50 South Glen Sreet / Glen Cove, NY 11542
Owner(s) during disposal: City of Glen Cove
Operator(s) during disposal: City of Glen Cove
Stated Operator(s) Address: Main Street / Glen Cove, NY 11542
Hazardous Waste Disposal Period: From: unknown To: 12/1981

Site Description:

This site is in a highly industrialized area across the street from Mattiace Petrochemicals. Solid waste, hazardous waste, and C&D debris were dumped at the site. There is confirmation of off-site migration of waste. A radiological survey has been completed and has confirmed the disposal of radioactive waste from the nearby Li Tungsten site (Site No. 130046). The City of Glen Cove, the site owner at the time wastes were placed, and the current owner of the property, Village Green Realty, (presently bankrupt in the State of Maryland) signed a Consent Order to perform a Title 3 RI/FS to address the hazardous waste disposal. EPA is conducting a concurrent RI/FS to address the radiological waste from Li Tungsten. The State RI/FS has been completed and the ROD has been signed. The remedy calls for landfill reclamation and deed restriction. The design for the remedy was approved in February 2000 and the notice to proceed was given May 22, 2000. Construction is now complete.

Confirmed Hazardous Waste Disposal:

Benzene,

1,1,2-Trichloroethylene (FOO1) (FOO2)

Tetrachloroethylene

Heavy Metals

Chloroform

Quantity:

unknown

unknown

unknown

unknown

unknown

Analytical Data Available for: Air Groundwater Soil	
Applicable Standards Exceeded in: Groundwater	
Geotechnical Information:	Depth to
Soil/Rock Type: Fill over interbedded sands, gravel and clay.	Groundwater: Range: 5 to 10 feet.
Legal Action: Type: State Consent Order	Status: Order Signed
Remedial Action: In Progress	Nature of action: Landfill reclamation and deed restriction.

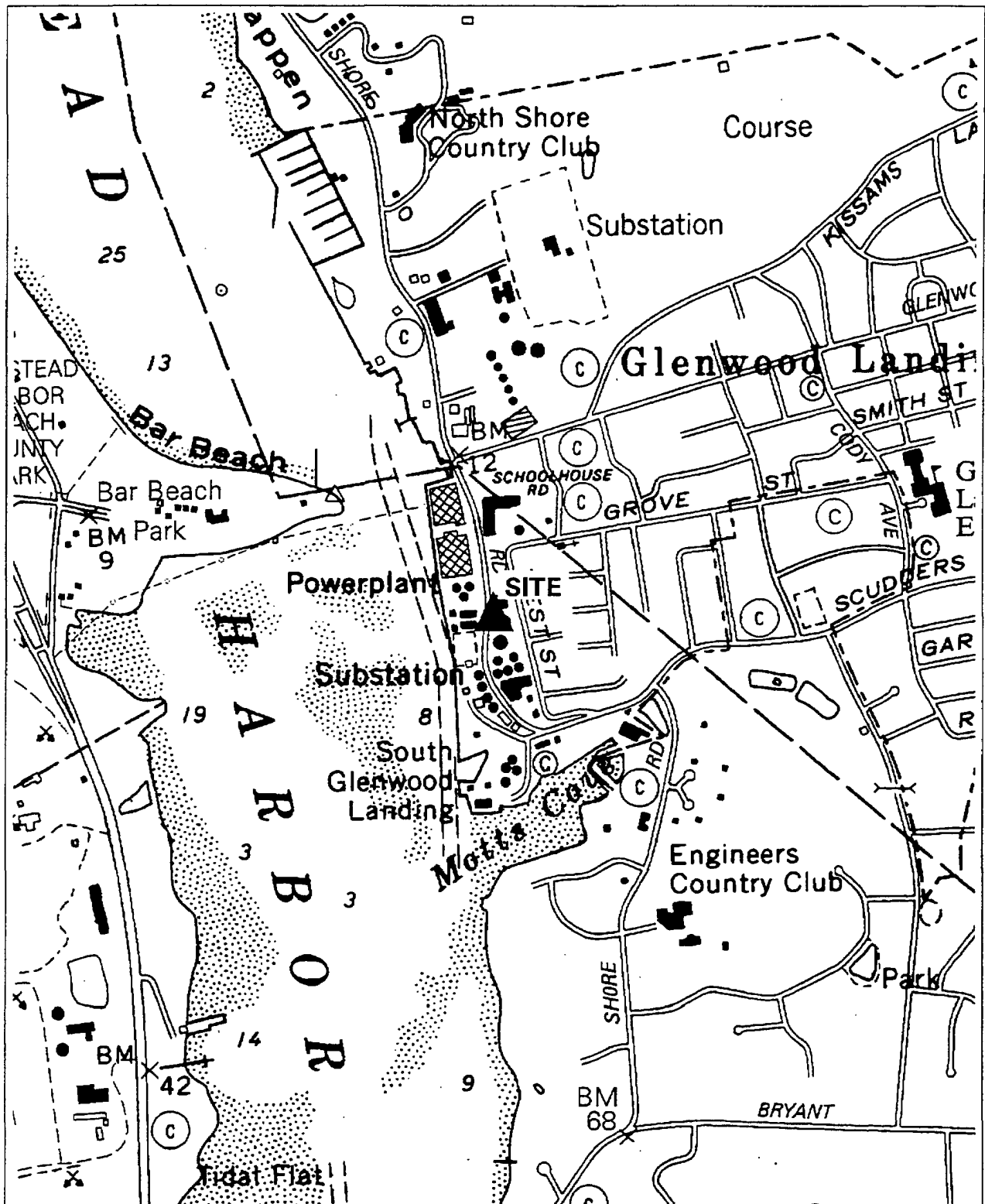
Assessment of Environmental Problems:

Hazardous waste disposal has contaminated soil, air and groundwater. Groundwater is contaminated, however this is saline groundwater and will not be used for drinking.

Assessment of Health Problems:

The site is secured and remediation nearly complete. Radiologically contaminated soil is stockpiled at the site and covered while awaiting removal under EPA's Li Tungsten remedial program. After remediation, the low level residual contamination will be capped to ensure that people will not be exposed.

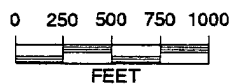
SYL00115241



Site Location Map

130034 Penetrex Processing Company

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000

April 1, 2002



County: Nassau

SYL00115242

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Penetrex Processing Company			Site Code: 130034
Class Code: 2	Region: 1	County: Nassau	EPA Id:
Address: 1 Shore Road / Glenwood Landing, NY 11547			
Latitude: 40° 49' 34"		Longitude: 73° 38' 48"	
Site Type: Structure		Estimated Size: 1 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **Saul Weinberger c/o Shea & Gould**
Current Owner(s) Address: **1251 Avenue of the Americas / New York, NY 10020**
Owner(s) during disposal: **Penetrex Processing Company**
Operator(s) during disposal: **Penetrex Processing Company**
Stated Operator(s) Address: **1 Shore Road / Glenwood Landing, NY 11547**
Hazardous Waste Disposal Period: **From: 08/1983 To: 08/1984**

Site Description:

The owner of this property leased the facility to Penetrex for a dry cleaning operation. The dry cleaning operation utilized organic solvents that were discharged into an on-site sanitary cesspool. Penetrex has since abandoned the property. The waste solvents and sludge that were in the cesspool have been removed, but there is still a possibility of groundwater contamination. Remedial work on the cesspool was completed under a summary abatement order in 1985. A Potentially Responsible Party (PRP) Phase II Investigation and a Supplemental State Funded Preliminary Site Assessment (PSA) have been completed. There is documentation that hazardous wastes were disposed on site. Studies conducted revealed that the solvents disposed are impacting the groundwater in the area which is part of the Long Island Primary Aquifer, and have the potential to impact Hempstead Harbor. The NYSDEC and the PRP have negotiated a Remedial Investigation/Feasibility Study (RI/FS) Consent Order. Remedial Investigation field work was conducted in 2001. The results indicate that the groundwater is contaminated with VOCs. Further groundwater investigation will be conducted in 2002.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene (PCE or "perc.")
Trichloroethylene (TCE)
Other organic solvents

Quantity:

unknown
unknown
unknown

Analytical Data Available for:	Groundwater Soil Sediment
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	Depth to
Soil/Rock Type: Sand and gravel.	Groundwater: Range: 5 to 10 feet.
Legal Action: Type: State Consent Order -RI/FS	Status: Order Signed
Remedial Action:	Nature of action:

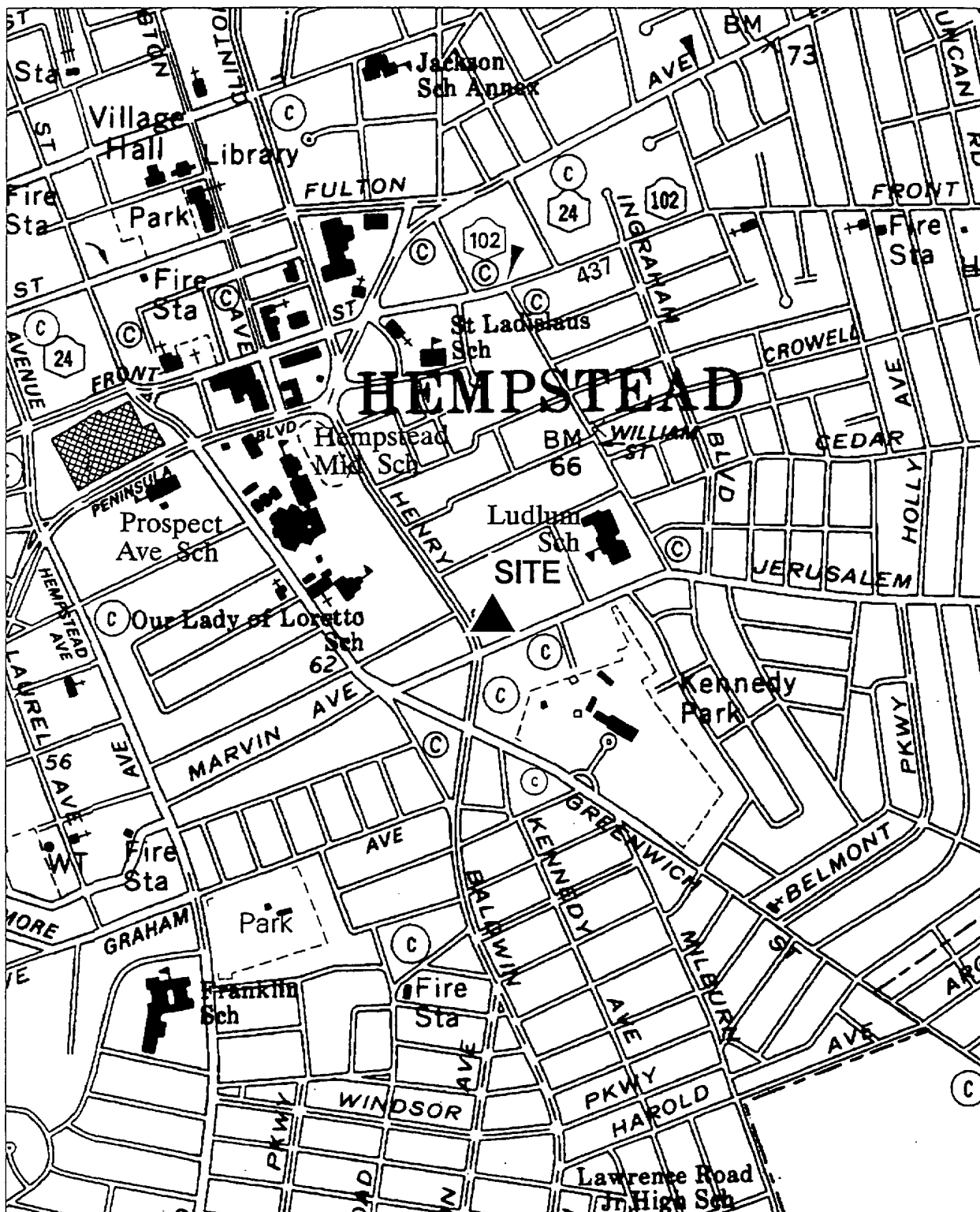
Assessment of Environmental Problems:

Contamination of groundwater above NYS standards has occurred in a sole source aquifer.

Assessment of Health Problems:

Exposures to site-related contaminants in groundwater are unlikely since homes and businesses near the site are connected to public water. Shallow groundwater most likely discharges into Hempstead Harbor, about 200 feet west of the site. Most of the property outside of the building is covered by pavement, so exposures to contaminated subsurface soils are not expected unless soils are disturbed. Fencing on the north, east, and south sides of the site limits access.

SYL00115243



Site Location Map

130035 Harder Tree Service

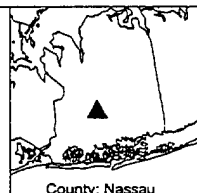
Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000

April 1, 2002



County: Nassau

SYL00115244

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Harder Tree Service	Site Code: 130035
Class Code: 2 Region: 1 County: Nassau	EPA Id:
Address: 63 Jerusalem Avenue / Hempstead, NY 11550	
Latitude: 40° 42' 8" Longitude: 73° 36' 54"	
Site Type: Structure	Estimated Size: 1 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Harder Tree Service
Current Owner(s) Address: 63 Jerusalem Avenue / Hempstead, NY 11550
Owner(s) during disposal: Harder Tree Service/Frank Harder, Jr.
Operator(s) during disposal: Harder Tree Service
Stated Operator(s) Address: 63 Jerusalem Avenue / Hempstead, NY 11550
Hazardous Waste Disposal Period: From: 1953 To: present

Site Description:

This site is used for storage and maintenance of Harder Service's equipment and also houses the corporate headquarters. Most of the central portion of the site is paved, with drainage into the catch basins and drywells. On November 7, 1984 several 100 gallon containers of methoxychlor were spilled on site. Most of the spilled compound was collected and pumped back into the original containers. In 1988, a Phase II investigation was conducted by the responsible party. Soil samples from one of the monitoring well borings were found to be highly contaminated with pesticides and another with petroleum hydrocarbons. Soil samples from four additional soil borings around this area were similarly contaminated. The contamination seen in these soil samples extends to the water table, thereby threatening further contamination of the groundwater. Groundwater on and off the site was contaminated with chlordane and other pesticides. After many attempts to get the responsible party to cooperate, this site was referred to the Division of Environmental Remediation (DER) for remediation with State Superfund money. A standby contract work assignment was issued to a consultant, however, the PRP would not permit access to the property for the fieldwork. The New York State Attorney General's Office was pursuing a court order to access the site, when the PRP finally agreed to perform an investigation. The PRP conducted the sampling in January of 1999 as part of a site assessment update and a site assessment update report was finalized in May 1999. This assessment identified that significant levels of pesticides are still present in on-site soils, groundwater and leaching pools. Based on the results of this investigation, a Remedial Investigation/Feasibility Study (RI/FS) is necessary. The DEC negotiated a RI/FS consent order with the PRPs effective November 29, 2000. RI field work began in February 2001.

Confirmed Hazardous Waste Disposal:

Methoxychlor
Chlordane
Endosulfan
Dieldrin
Heptachlor
Other Pesticides

Quantity:

unknown
unknown
unknown
unknown
unknown
unknown

Analytical Data Available for:	Groundwater	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater	Drinking Water	
Geotechnical Information:			Depth to
Soil/Rock Type: Coarse sand and gravel.			Groundwater: Range: 25 to 30 feet.
Legal Action: Type: State Consent Order		Status: Order Signed	
Remedial Action:		Nature of action:	

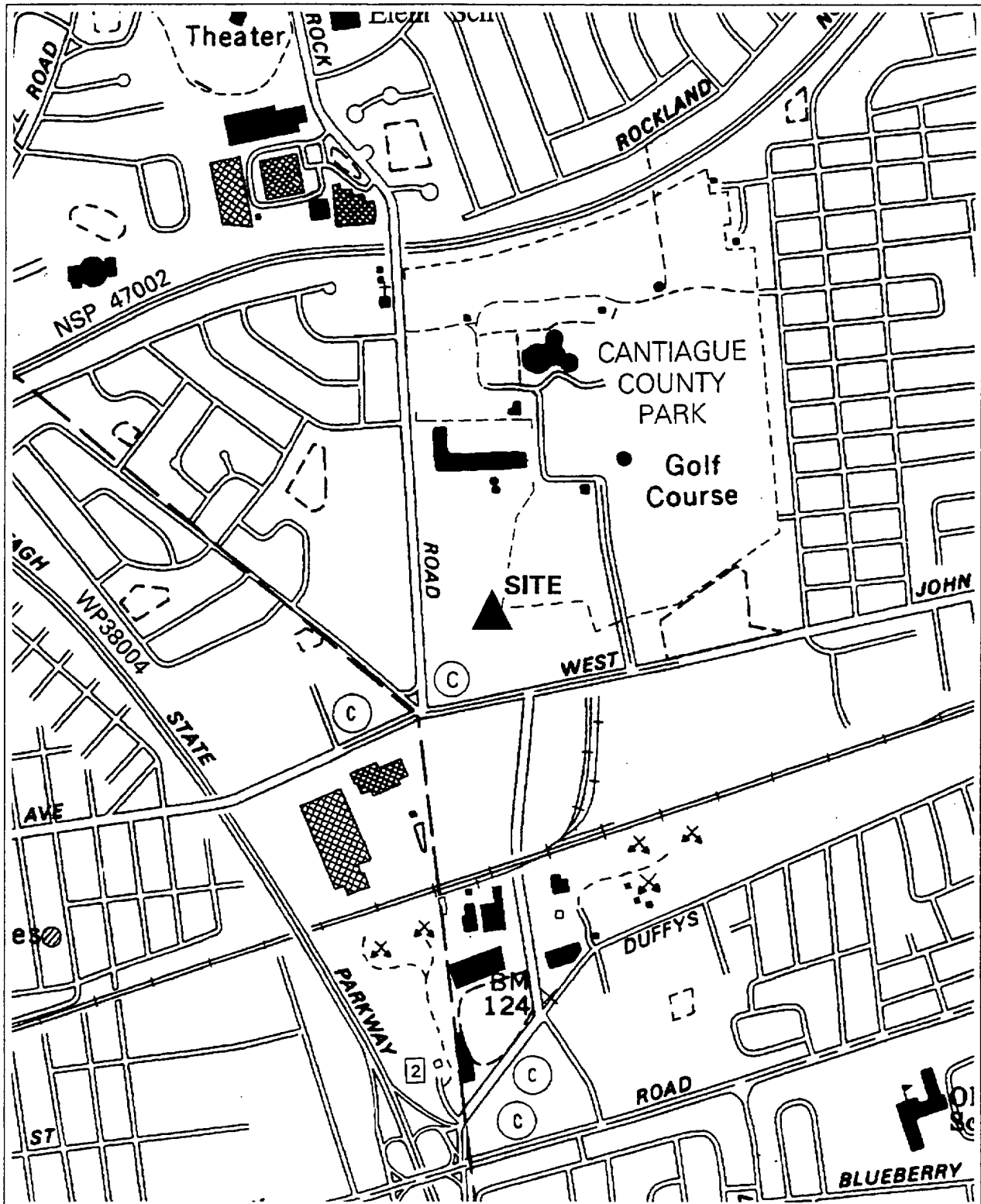
Assessment of Environmental Problems:

Groundwater contamination in excess of NYS standards, has affected a sole source drinking water aquifer.

Assessment of Health Problems:

The site is located in a residential/commercial area. Shallow soils on-site are contaminated with elevated levels of the pesticides chlordane, methoxychlor, and Dursban. At least one residential lot, which is owned by the tree service company, adjoins the site. Low levels of contamination were detected on the adjoining property and in one backyard immediately off-site. Additional sampling will be conducted in Spring 2002. Five pesticides have been detected in downgradient groundwater monitoring wells during two sampling rounds. Exposure to contaminated groundwater is not expected since the area is served by public drinking water supplies. Public water suppliers utilize deep groundwater wells which have not been impacted by the site.

SYL00115245



Site Location Map

130040 Air Techniques, Inc. (formerly Sylvania)

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



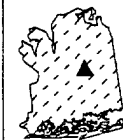
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FEET

Scale 1:12,000

April 1, 2002



County: Nassau

SYL00115246

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Air Techniques, Inc. (formerly Sylvania)	Site Code: 130040
Class Code: 4 Region: 1 County: Nassau	EPA Id: NYD043835081
Address: 70 Cantiague Rock Road / Hicksville, NY 11801	
Latitude: 40° 46' 1" Longitude: 73° 32' 56"	
Site Type: Dump Structure	Estimated Size: 5 Acres

Site Owner / Operator Information:

Current Owner(s) Name: A&T Realty Company
Current Owner(s) Address: 70 Cantiague Rock Road / Hicksville, NY 11801
Owner(s) during disposal: unknown
Operator(s) during disposal: Air Techniques, Inc.
Stated Operator(s) Address: 70 Cantiague Rock Road / Hicksville, NY 11801
Hazardous Waste Disposal Period: From: 1979 To: unknown

Site Description:

This active site has been occupied by a manufacturer of dental equipment since 1979. The site was used for the production of nuclear fuel rods in the 1950s and 1960s. On December 28, 1986, while excavating to build an extension to an existing facility, a number of drums, attributable to a former site operator, were discovered. Approximately 57 drums and 80 to 90 cu. yds. of contaminated soil were removed from the site. The primary constituents found in the drums were tetrachloroethene and trichloroethene. Confirmatory soils samples indicated that there was some residual soil contamination. A Phase I Investigation, a Phase II Investigation, and a Supplemental Phase II Investigation have been completed. Angle borings in 1994 beneath the new building extension failed to detect any volatile organic compounds. Three rounds of groundwater samples in 1992, 1993, and 1994 from upgradient and downgradient monitoring wells have detected significant levels of tetrachloroethene (PCE) and, to a lesser extent, trichloroethene (TCE). Levels of these contaminants exceed groundwater standards. There is a source of contamination upgradient of the Air Techniques parcel. The NYSDEC has completed a file search for upgradient properties. Site inspections and limited soil sampling have been performed on the upgradient parcels by the NYSDEC and the United States Nuclear Regulatory Commission. A Voluntary Investigation for the Air Techniques parcel and the two parcels immediately to the north of the site has been completed. A Supplemental Voluntary Investigation for these three parcels has been completed. A soil removal for soils impacted by uranium, thorium, nickel and tetrachloroethene on these three parcels is scheduled to commence in the summer of 2002.

Confirmed Hazardous Waste Disposal:

Trichloroethylene (F001-F002)
Tetrachloroethylene (F001-F002)

Quantity:

unknown
unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Sand and gravel.		Groundwater: Range: 60 to 65 feet.
Legal Action: Type: State Consent Order	Status: Order Signed	
Remedial Action: Complete	Nature of action: IRM-Drum and contaminated soil removal.	

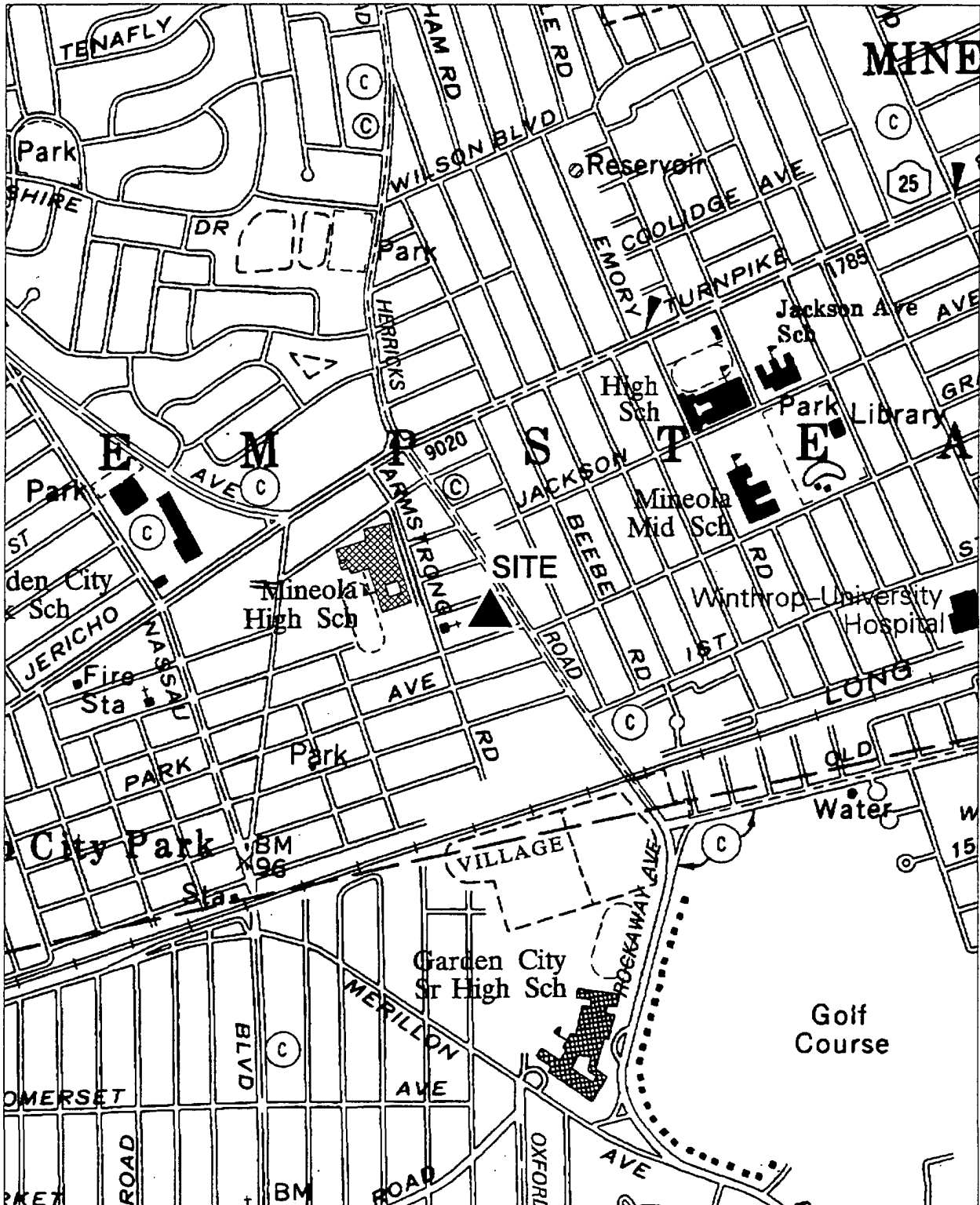
Assessment of Environmental Problems:

Groundwater contamination by tetrachloroethene and trichloroethene, exceeding groundwater standards, has been detected in both upgradient and downgradient monitoring wells. Residual radiological contamination from the production of nuclear fuel rods from 1952 to 1967 has been detected.

Assessment of Health Problems:

Public supply wells for the Hicksville and Westbury Water Districts, located within two miles of the site, are contaminated with volatile organic compounds (VOCs), possibly related to this and other sites. The wells are treated to remove VOCs. There are no known private drinking water wells within the area. This site was recently determined to contain residual radiological contamination from when site was used for the production of nuclear fuel rods in the 1950's and 1960's. The perimeter of the site is fenced, therefore the potential for direct contact with contaminated soils is limited to employees and trespassers. Based on elevated levels of VOCs in soil gas, NYSDOH has requested indoor air sampling in on-site buildings. Air testing in one vacant building on-site has indicated some impact to indoor air quality. A proposed soil removal plan is expected to address the issue of soil vapor contamination.

SYL00115247



Site Location Map

130041 Fumex Sanitation, Inc.

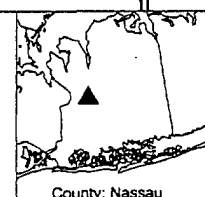
Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000

April 1, 2002



County: Nassau

SYL00115248

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Fumex Sanitation, Inc.			Site Code: 130041
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD044476836
Address: 131 Herricks Road / Garden City Park, NY 11040			
Latitude: 40° 44' 27"		Longitude: 73° 39' 18"	
Site Type: Structure		Estimated Size: 0.5-1 Acres	
Site Owner / Operator Information:			
Current Owner(s) Name: Steve Schwimmer c/o Paul Barkin Esq.			
Current Owner(s) Address: 76 North Broadway / Hicksville, NY 11801			
Owner(s) during disposal: Fumex Sanitation, Inc.			
Operator(s) during disposal: Fumex Sanitation, Inc.			
Stated Operator(s) Address: 131 Herricks Road / Garden City Park, NY 11040			
Hazardous Waste Disposal Period: From: 1952 To: 1981			

Site Description:

Fumex Termite Service Corp. is a former termite exterminating company that began operating in 1952. This site was used as an executive office for Fumex Termite Service Corp. and no chemicals were produced on site. Chlordane rinse water was stored on site for one week or less; the quantity was usually two 55-gallon drums. In August of 1981, one drum was knocked over, spilling less than 30 gallons of chlordane rinse water (<1% chlordane solution) onto the asphalt parking lot behind Fumex. Waste migrated to an on-site dry well & nearby sidewalk. Another possible source of contamination could be the company's past practice of spraying the then unpaved parking lot with 1-2% chlordane for "insect control" from 1952 to 1978. Five groundwater monitoring wells were installed on the property. Sampling done in December of 1984 revealed elevated levels of chlordane in all 5 monitoring wells at levels above the applicable groundwater standard of 0.1 ppb. Soil samples collected from on-site well boring holes also revealed high levels of chlordane. Soil from monitoring well No. 5 revealed the highest chlordane concentration with an average of 1302 ppb. A Phase I Investigation was completed in 1989. This site was referred to the Division of Environmental Remediation (DER) for a Remedial Investigation/Feasibility Study (RI/FS). A limited RI was performed at the site to determine the current levels of contamination. The results of the limited RI revealed the need for additional groundwater and soils investigations which were conducted in 1998 and 1999 as a Phase II RI. The RI and FS reports indicate pesticide contamination is present in soil and groundwater on site, but has not migrated off site except for a small area of soil contamination on an adjacent residential property. A ROD calling for soil removal and capping was completed in March 2001.

Confirmed Hazardous Waste Disposal:

Chlordane (UO36)

Quantity:

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:		Depth to
Soil/Rock Type: Sand and fine gravel.		Groundwater: Range: 45 to 50 feet.
Legal Action: Type:		Status:
Remedial Action: Proposed		Nature of action: Soil removal & cap.

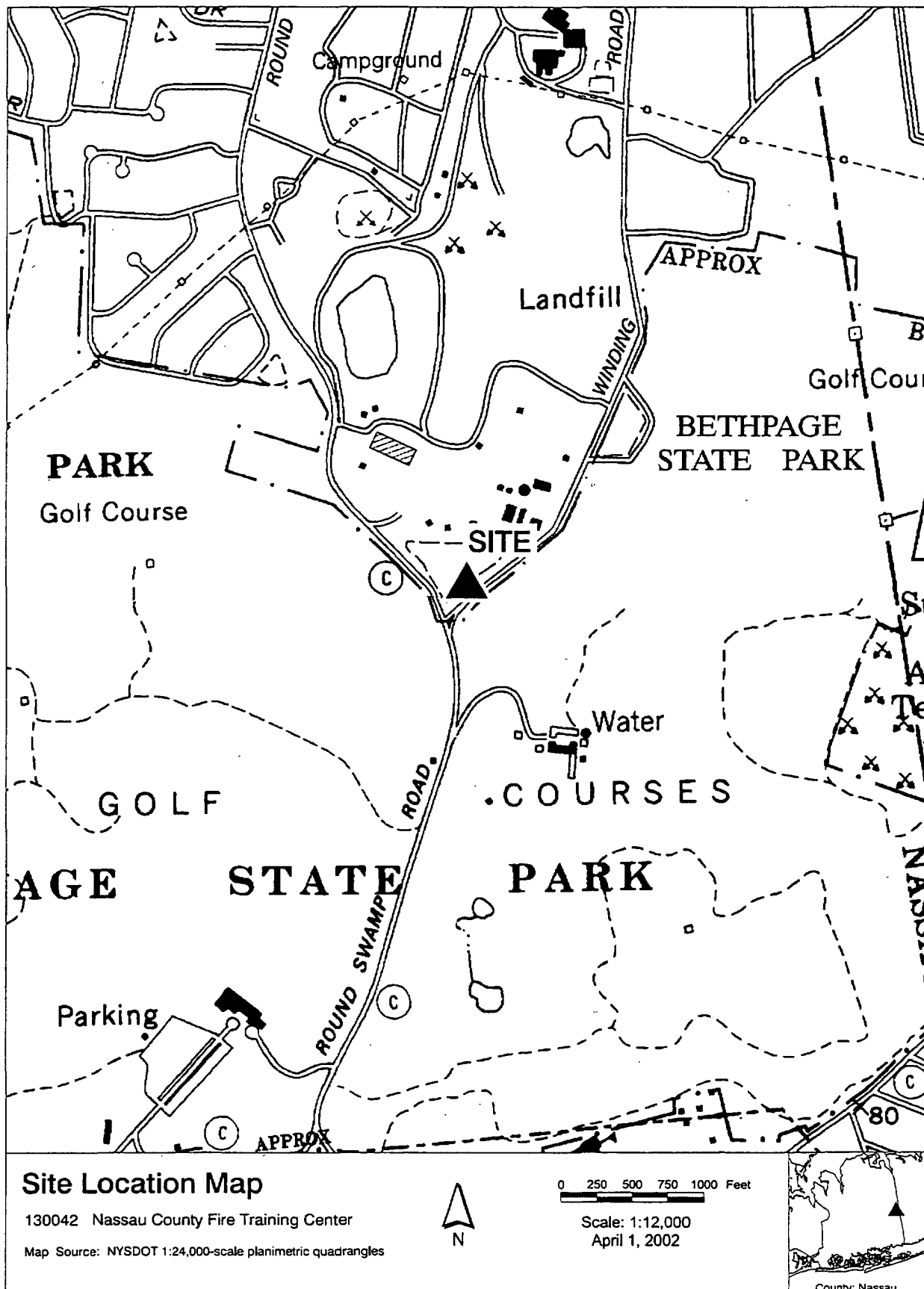
Assessment of Environmental Problems:

Soil and groundwater have been contaminated with pesticides at this site.

Assessment of Health Problems:

Chlordane, formerly used as a pesticide, was detected at elevated levels in shallow groundwater from on-site monitoring wells and soils. A small area of surface soil at an adjacent residence is also contaminated. The Record of Decision for the site calls for excavation of contaminated soils both on-site and at the adjacent residence, to eliminate the potential for exposure. Several public drinking water supply wells are within 6000 feet downgradient of the site, one of which was closed because of unrelated contamination. Other wells are screened in deeper aquifers and are not contaminated. There are no private wells known to exist in the area. Due to the relative immobility of chlordane in groundwater, extensive off-site migration is not expected.

SYL00115249



SYL00115250

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Nassau County Fire Training Center			Site Code: 130042
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD982531949
Address: Winding Road / Old Bethpage, NY 11804			
Latitude: 40° 45' 1"		Longitude: 73° 26' 57"	
Site Type: Structure		Estimated Size: 12 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Nassau County
Current Owner(s) Address: Winding Road / Old Bethpage, NY 11804
Owner(s) during disposal: Nassau County
Operator(s) during disposal: *** Multiple Site Operators ***
Stated Operator(s) Address:
Hazardous Waste Disposal Period: From: 1960 To: 1985

Site Description:

The Fireman's Training Center was established in 1960 to provide fire fighting training facilities for Nassau County's volunteer fire fighters. This site consists of three drywell catch basin fields that receive runoff from fire training exercises. This runoff contained uncombusted liquids which drained into the ground. Three floating product plumes of oil and gas have been identified along with high levels of dissolved volatile organic solvents. The off-site plume of contaminated groundwater extends 5,000 feet southeast under the Bethpage State Park. Groundwater standards for several chlorinated volatile organics are exceeded. A remedy consisting of capping shallow soils, bioventing deep soils, deed restrictions, and pump and treat of both on-site and off-site groundwater was selected in a February 1993 Record of Decision. The construction was completed in September 1999. The groundwater treatment facility is processing approximately 750,000 gallons per day. Operating reports submitted by the Nassau County Department of Public Works indicate the facility is operating in compliance with the effluent discharge criteria. The effluent recharge basin is limiting the plant operation as only a portion of the plant capacity can be recharged. Design is proceeding on an effluent disposal alternative.

Confirmed Hazardous Waste Disposal:

Chlorinated Solvents (FOO1)

Xylene

Toluene

Dichloroethylene

Acetone

Ethyl Benzene

Trichloroethylene (TCE)

Tetrachloroethylene (PCE or "perc.")

Quantity:

unknown

unknown

unknown

unknown

unknown

unknown

unknown

unknown

Analytical Data Available for:	Groundwater - Soil
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	
Soil/Rock Type: Sand and gravel.	Depth to Groundwater: Range: 35 to 40 feet.
Legal Action: Type: State AG - Consent Order	Status: Order Signed
Remedial Action: In Progress	Nature of action: Soil and groundwater remediation.

Assessment of Environmental Problems:

Spillage of chlorinated solvents, acetone, toluene, methyl-ethyl-ketone and other chemicals have resulted in the contamination of the Bethpage State Park clubhouse supply well. The off-site plume of contaminated groundwater extends approximately 5,000 feet downgradient.

Assessment of Health Problems:

Petroleum constituents and solvents are in groundwater on-site and off-site. South Farmingdale's public water supply wells are downgradient of the site and contamination associated with this site has not been detected within these wells. The public water supply wells are tested quarterly to ensure compliance with drinking water standards. The remediation for this site included institutional controls, subsurface soil remediation and groundwater treatment. These measures are expected to prevent the public from being exposed to the contamination at this site.

SYL00115251

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: IMC Magnetics	Site Code: 130043A
Class Code: 2 Region: 1 County: Nassau	EPA Id: NYD001095363
Address: 570 Main Street / New Cassel, NY 11590	
Latitude: 40° 45' 23" Longitude: 73° 33' 56"	
Site Type: Structure	Estimated Size: 0.75 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Foray Construction Company
Current Owner(s) Address: 193-69 85th Road / Holliswood, NY 11423
Owner(s) during disposal: NMB (USA)
Operator(s) during disposal: IMC Magnetics
Stated Operator(s) Address: 475 Wireless Boulevard / Hauppauge, NY 11788
Hazardous Waste Disposal Period: From: 1993 To: present

Site Description:

This site is located on the corner of Swalm and Main Streets in the New Cassel Industrial Area. The topography is flat. The nearest water body is Hempstead Bay, approximately 6 miles southwest and the nearest water supply well is approximately 1,800 feet southeast of the site. Sampling done as part of a closure plan for NYSDEC showed several areas of concern. Specifically, three leaching pool areas, eight floor drains, and five hazardous materials storage areas were sampled. The samples taken from these areas showed significant contamination with VOCs (mostly chlorinated solvents) and heavy metals (specifically chromium and lead). The site is located within the boundary of a contaminant plume found during the New Cassel Industrial Area Preliminary Site Assessment (PSA) in 1994. During the summer of 1996 a Remedial Investigation for soils was carried out. Based on the results of this investigation, an Interim Remedial Measure (IRM) consisting of a Soil Vapor Extraction (SVE) system was installed in 1997. An investigation of groundwater contamination at the site was completed in the fall of 1998. Additional groundwater data was collected in the spring of 1999, and a Focused Feasibility Study (FFS) for on-site groundwater was completed in September 1999. A Proposed Remedial Action Plan (PRAP) selecting hydrogen peroxide injection as the IRM was presented to the public in February 2000. A Record of Decision (ROD) was signed on March 30, 2000 for OU-2 on-site groundwater. A pilot test for hydrogen peroxide injection was run in December 2001.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene ((PCE or "perc.")(F002))
Chromium (D007 Waste)
Lead (D008 Waste)
Toluene (F005 Waste)

Quantity:

unknown
unknown
unknown
unknown

Analytical Data Available for:	Groundwater Soil
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	
Soil/Rock Type: Sand and gravel.	Depth to Groundwater: Range: 50 to 55 feet.
Legal Action: Type: State Consent Order	Status: Order Signed
Remedial Action: In Progress	Nature of action: Hydrogen peroxide injection + SVE.

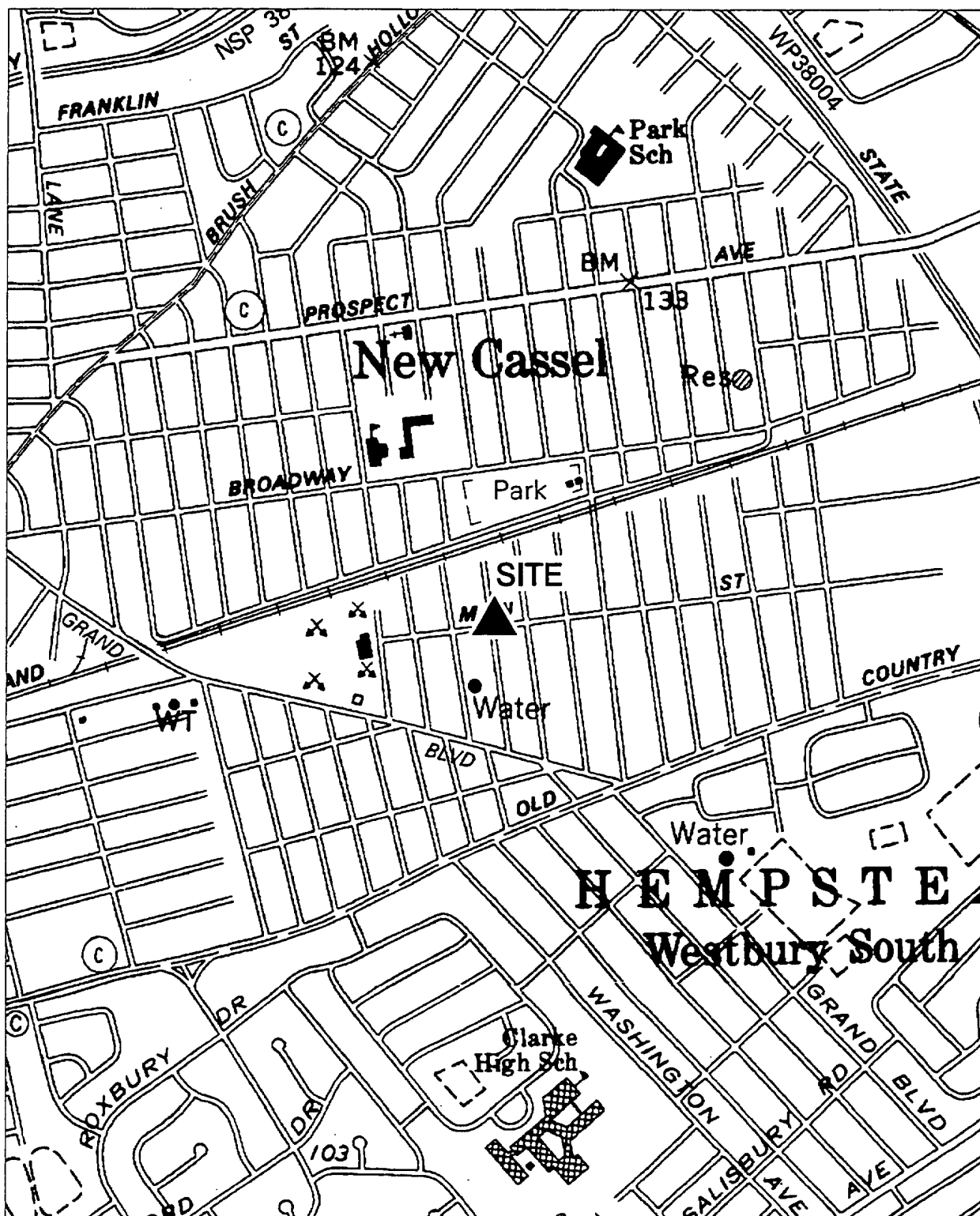
Assessment of Environmental Problems:

Past site operations have led to heavy on-site contamination with several chlorinated solvents and heavy metals. Remediation of both soil and groundwater was required.

Assessment of Health Problems:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers. Strategies to further protect the impacted downgradient supply wells are currently being discussed.

SYL00115253



Site Location Map

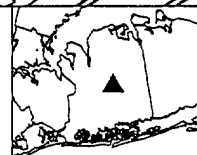
130043B Atlas Graphics

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Nassau

SYL00115254

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Atlas Graphics	Site Code: 130043B
Class Code: 2 Region: 1 County: Nassau	EPA Id: NYD001095363
Address: 567 Main Street / New Cassel, NY 11590	
Latitude: 40° 45' 24" Longitude: 73° 33' 56"	
Site Type: Structure	Estimated Size: 0.5 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Richard Degenhardt
Current Owner(s) Address: 567 Main Street / New Cassel, NY 11590
Owner(s) during disposal: Richard Degenhardt
Operator(s) during disposal: Richard Degenhardt
Stated Operator(s) Address: 567 Main Street / New Cassel, NY 11590
Hazardous Waste Disposal Period: From: unknown To: present

Site Description:

This site is located on the corner of Swalm and Main Streets in the New Cassel Industrial Area in an industrial area of flat topography. The nearest water body is Hempstead Bay, approximately 6 miles southwest of the site and the nearest water supply well is approximately 1,800 feet southeast of the site.

The current occupant has been on site since 1977, and is in the business of producing various graphic designs. Several chemical baths, such as nitric acid, trichloroethylene (TCE), and 1,1,1-trichloroethane (TCA), are used during the process. In 1980, a Nassau County Department of Health inspection revealed 319 ppm of TCE in an on-site cesspool. A Site Investigation conducted by the State during 1993-1994 found elevated levels of TCE in the groundwater (2,000 ppb) directly downgradient of the site. Further investigations carried out by the State in 1997 and early 1998 indicated the presence of some soil contamination on site, and extensive groundwater contamination. A Proposed Remedial Action Plan (PRAP) selecting Air Sparging/Soil Vapor Extraction (AS/SVE) as the remedy for the site was presented to the public in the fall of 1999, and the ROD was signed on February 29, 2000. The AS/SVE system was installed in October, 2000 and is currently operating satisfactorily.

Confirmed Hazardous Waste Disposal:

Trichloroethylene ((TCE) (F002 Waste))

Quantity:

unknown

Analytical Data Available for: Groundwater Soil	
Applicable Standards Exceeded in: Groundwater	
Geotechnical Information:	Depth to
Soil/Rock Type: Fine to medium sand with gravel.	Groundwater: Range: 50 to 55 feet.

Legal Action: Type: State Consent Order	Status: Order Signed
Remedial Action: In Progress	Nature of action: Air sparging & soil vapor extraction.

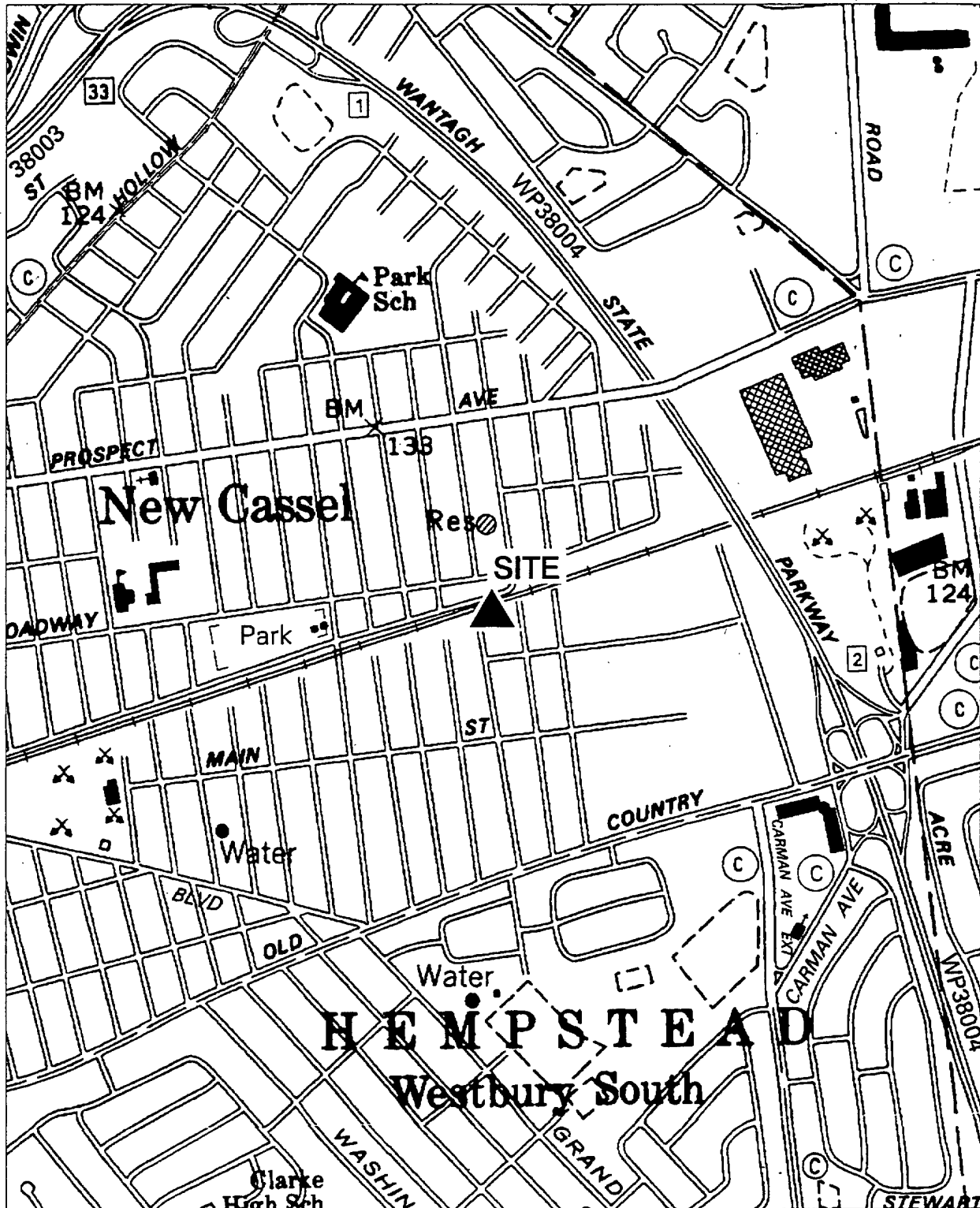
Assessment of Environmental Problems:

Past site operations have contaminated groundwater beneath and downgradient of the site with high levels of TCE. Contaminated groundwater is within an EPA-designated sole-source aquifer. Contaminants have migrated approximately 1,000 feet downgradient of the site. Two public water supply wells are located 1,800 feet southeast of the site.

Assessment of Health Problems:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers. Strategies to further protect the impacted downgradient supply wells are currently being discussed.

SYL00115255



Site Location Map

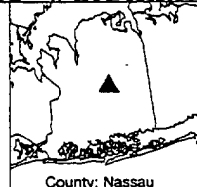
130043C Tishcon Corporation - 125 State Street

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



SYL00115256

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Tishcon Corporation - 125 State Street		Site Code: 130043C
Class Code: 4	Region: 1	County: Nassau
Address: 125 State Street / New Cassel, NY 11590		
Latitude: 40° 45' 34" Longitude: 73° 33' 34"		
Site Type: Structure		Estimated Size: 1 Acres

Site Owner / Operator Information:

Current Owner(s) Name: C&O Realty
Current Owner(s) Address: 50 Urban Area / New Cassel, NY 11590
Owner(s) during disposal: William Gross
Operator(s) during disposal: Tishcon Corporation
Stated Operator(s) Address: 125 State Street / New Cassel, NY 11590
Hazardous Waste Disposal Period: From: unknown To: present

Site Description:

The site is located at the end of State Street bordering the Long Island Railroad tracks in the New Cassel Industrial Area. The nearest water body is Hempstead Bay, approximately 6 miles southwest of the site, and nearest water supply well is approximately 2,700 feet south. The prior occupant was in the business of manufacturing diet pills, with tablet-coating and warehousing operations being conducted on site. 1,1,1-trichloroethane (TCA) was used during these operations. Nassau County Department of Health records indicate the removal of 550 gallons of 1,1,1-trichloroethane waste sludge from the site in 1992, along with other instances of sludge removals with no volumes noted. A NYSDEC site inspection conducted in 1994 revealed three leachpools along the southern boundary of the site. According to on-site personnel, process waters were discharged to the pools, with staining noted in and around the pools. Subsequent groundwater samples were collected downgradient of the property, and were found to contain high levels of 1,1,1-trichloroethane & 1,1-dichloroethane. The Focused Remedial Investigation (FRI) was implemented in August 1996. The results of the RI indicated that the storm drains 1,2,4 and distribution box 5 should be cleaned out. The Potentially Responsible Party (PRP) performed the remediation of the storm drains 2,4 and 5 in October 1997 as an Interim Remedial Measure (IRM). The remaining storm drain 1 was completed in May 1998 as a Remedial Action (RA) in conformance with the Record of Decision. The significant threat from contaminants at the site has been mitigated by the removal of the storm drain source areas and the subsequent reduction in groundwater contaminant levels. Long term monitoring of the groundwater commenced in June 1998.

Confirmed Hazardous Waste Disposal:

1,1,1-Trichloroethane ((TCA)(F002 Waste))

Quantity:

unknown

Analytical Data Available for:	Groundwater
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	
Soil/Rock Type: Fine to medium sand with gravel.	Depth to Groundwater: Range: 50 to 55 feet.
Legal Action: Type: State Consent Order -RI/FS	Status: Order Signed
Remedial Action: Complete	Nature of action: Soil removal + storm drains cleaning.

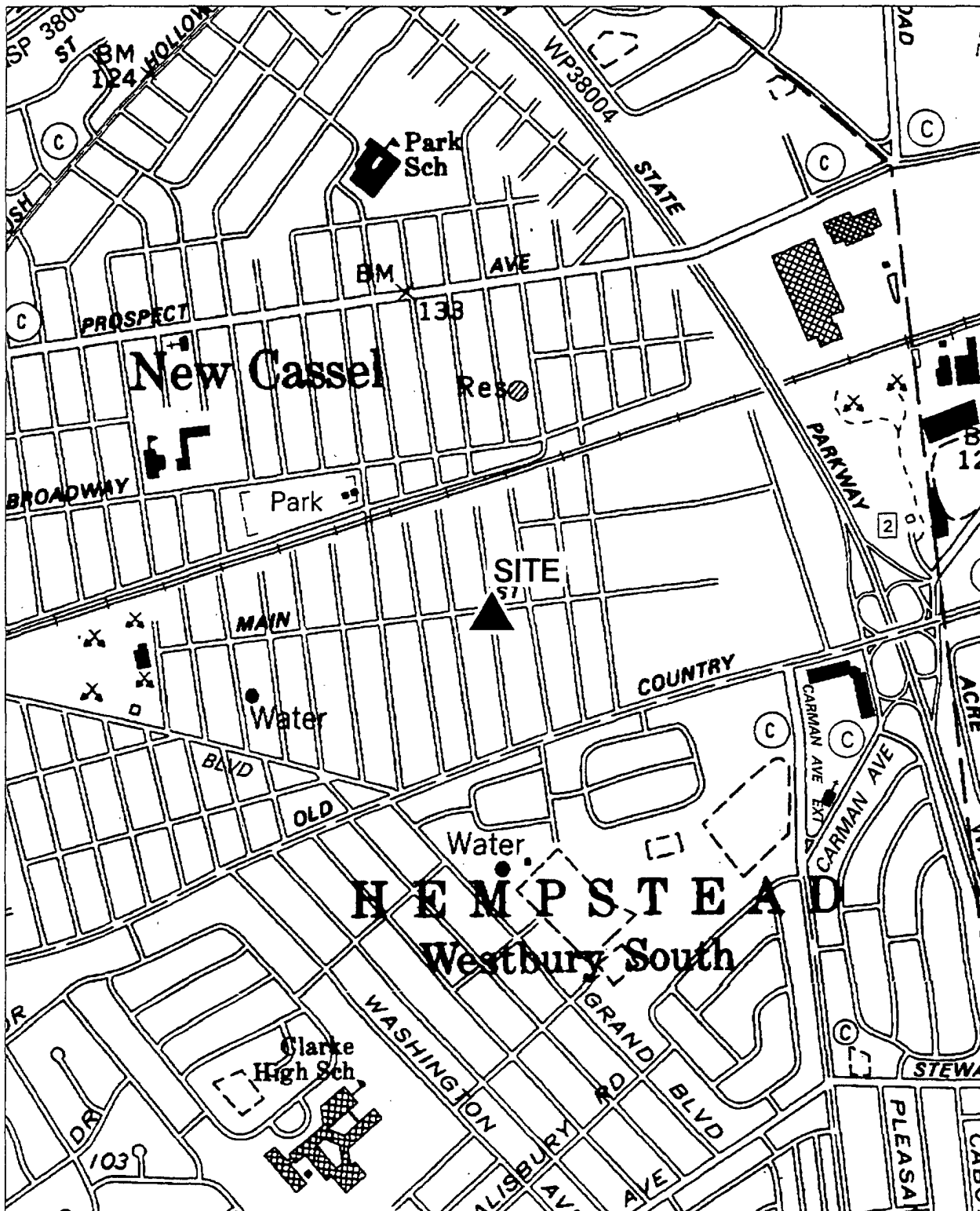
Assessment of Environmental Problems:

The significant threat from contaminants at the site has been mitigated by the removal of the storm drain source areas and the and the subsequent reduction in groundwater contaminant levels. Long term monitoring of the groundwater commenced in June 1998.

Assessment of Health Problems:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers. Strategies to further protect the impacted downgradient supply wells are currently being discussed.

SYL00115257



Site Location Map

130043D Arkwin Industries

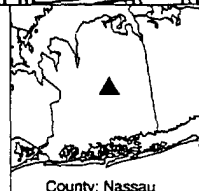
Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000

April 1, 2002



County: Nassau

SYL00115258

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Arkwin Industries	Site Code: 130043D
Class Code: 2 Region: 1 County: Nassau	EPA Id: NYD001095363
Address: 648-656, 662-670 Main Street, 66 Brooklyn Avenue / New Cassel, NY 11590	
Latitude: 40° 45' 25" Longitude: 73° 33' 37"	
Site Type: Structure	Estimated Size: 1.5 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Arkwin Industries
Current Owner(s) Address: 686 Main Street / New Cassel, NY 11590
Owner(s) during disposal: Arkwin Industries
Operator(s) during disposal: Arkwin Industries
Stated Operator(s) Address: 686 Main Street / New Cassel, NY 11590
Hazardous Waste Disposal Period: From: 1970s To: unknown

Site Description:

These properties are located on the south side of Main Street between New York Avenue and State Street in the New Cassel Industrial Area. The nearest water body is Hempstead Bay, approximately 6 miles southwest and the nearest water supply well is approximately 1,800 feet south of the site. The occupant of the various properties conducts machine shop operations, including honing and grinding, degreasing and non-destructive testing. Large amounts of petroleum based oils and lubricants, and 1,1,1-trichloroethane (TCA) are used and stored on site as part of daily site operations. According to the Nassau County Department of Health, Arkwin uses between 275-550 gallons of TCA per year. At least six abandoned leachpools were identified as part of a NYSDEC site inspection conducted in 1994, and were presumably used for the disposal of oils, lubricants, solvents and other waste materials. Subsequent downgradient groundwater sampling revealed high levels of TCA. The leachpools were sampled as part of a Focused Remedial Investigation (FRI) in August 1996. The only leachpool with soil contamination above standards is DWX8. Arkwin removed the contamination from DWX8 as an Interim Remedial Measure (IRM) in June 1997. The Soil Operable Unit 01 (OU-1) is now complete and a Record of Decision (ROD) was issued in January 1998. Contaminated groundwater beneath the site was addressed during an RI for Operable Unit 02 (OU-2) - Groundwater. Sampling for OU-2 was completed in October 1998. A ROD was signed that requires an Air Sparging/Soil Vapor Extraction (AS/SVE) System to address the shallow on-site groundwater contamination. The wells for the AS/SVE pilot were installed in January 2002. Arkwin has signed an Order on Consent (OOC) to complete the pilot study and the remedial action (AS/SVE).

Confirmed Hazardous Waste Disposal:

1,1,1-Trichloroethane {(TCA)(F001 Waste)}

Quantity:

unknown

Analytical Data Available for:	Groundwater Soil
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	Depth to
Soil/Rock Type: Fine to medium sand with gravel.	Groundwater: Range: 50 to 55 feet.
Legal Action: Type: State Consent Order	Status: Order Signed
Remedial Action: In Progress	Nature of action: Groundwater remediation.

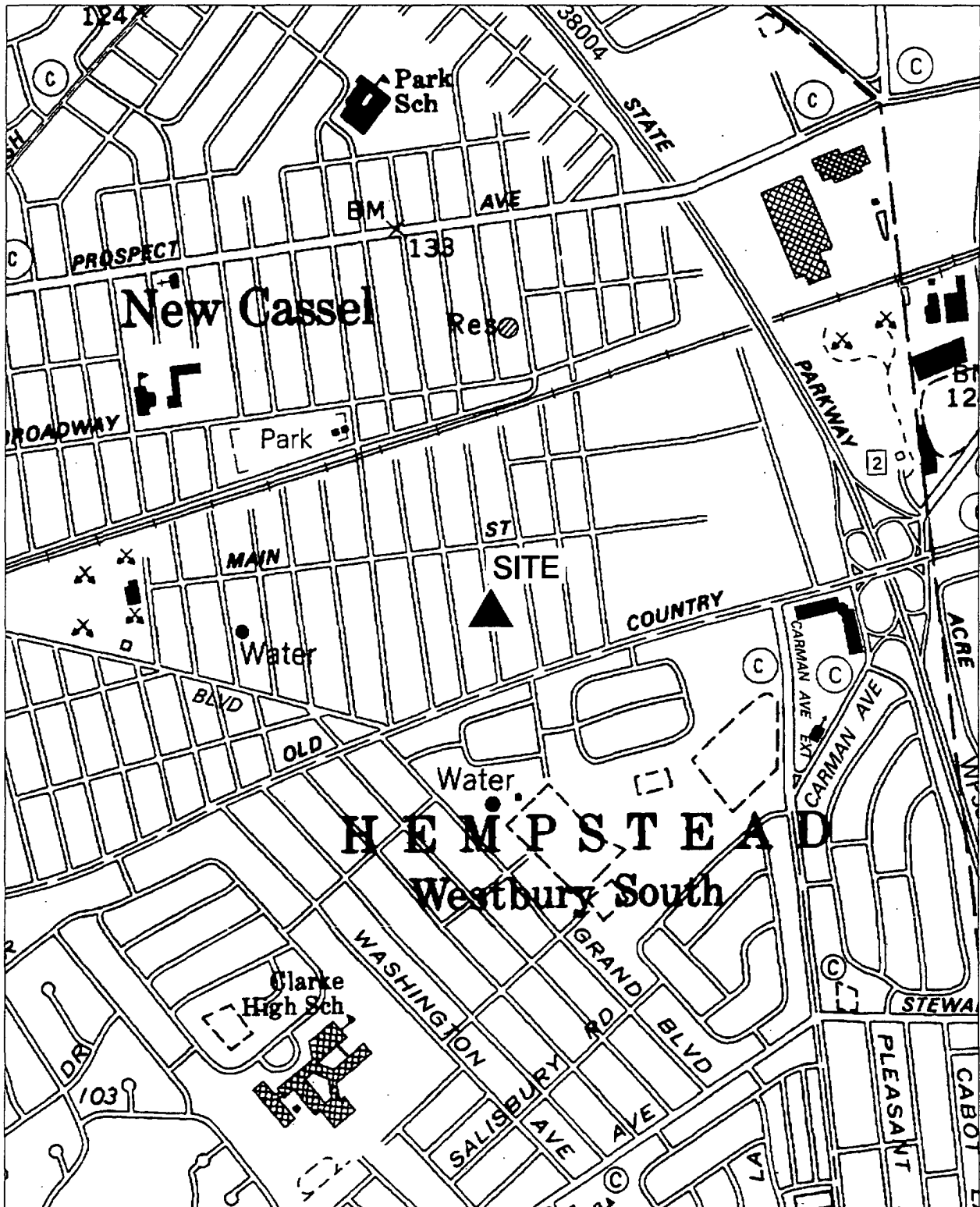
Assessment of Environmental Problems:

Past site operations have contaminated groundwater beneath and downgradient of the site with TCA. The contaminated groundwater is located within an EPA designated sole-source aquifer. The contaminant plume that is partially emanating from this site has migrated approx. 1,300 ft. downgradient. Two public water supply wells are 1,800 ft. downgradient.

Assessment of Health Problems:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers. Strategies to further protect the impacted downgradient supply wells are currently being discussed.

SYL00115259



Site Location Map

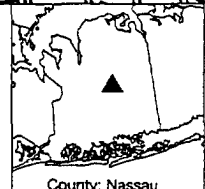
130043E Tishcon Corporation

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Nassau

SYL00115260

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Tishcon Corporation	Site Code: 130043E
Class Code: 2 Region: 1 County: Nassau	EPA Id: NYD001095363
Address: 31-33 Brooklyn Avenue & 30-36 New York Avenue / New Cassel, NY 11590	
Latitude: 40° 45' 21" Longitude: 73° 33' 37"	
Site Type: Structure	Estimated Size: 1.5 Acres

Site Owner / Operator Information:

Current Owner(s) Name: *** Multiple Site Owners ***
Current Owner(s) Address:
Owner(s) during disposal: Tishcon Corporation
Operator(s) during disposal: Tishcon Corporation
Stated Operator(s) Address: 30 New York Avenue / New Cassel, NY 11590
Hazardous Waste Disposal Period: From: 1980s To: 1995

Site Description:

This property is located between New York and Brooklyn Avenues midway between Old Country Road and Main Street in the New Cassel Industrial Area. The area has a flat topography and the nearest surface water is Hempstead Bay, approximately 6 miles southwest. The occupant of these properties manufactures dietary supplements such as vitamins. Soft gelatin capsules are manufactured on site. As part of this process, a 1,1,1-trichloroethane (TCA) dip was used to remove mineral oil from the capsules. Approximately four drums of TCA were used per week. Nassau County Department of Health records indicate that Tishcon used up to 16,000 gallons of TCA per year, and in 1992, found 21 ppm of the chemical in an on-site leachpool. Subsequent downgradient groundwater sampling found TCA, 1,1-dichloroethane, trichloroethylene and dichloroethylene at extremely high levels. A Consent Order was signed on June 5, 1996 for a Focused Remedial Investigation/Feasibility Study (FRI/FS) by the Tishcon Corporation for the 30-36 New York Avenue and the 31-33 Brooklyn portion of the site. The fieldwork was performed in July and August of 1996. This investigation found significant on-site soil and groundwater contamination. Notably 1,1,1 TCA at a level of 84 ppm in the groundwater and 220 ppm of 1,1,1 TCA in the on-site soils. The potentially responsible party (PRP) has signed a Consent Order for a FRI/FS for the on-site groundwater. Sampling for OU-2 (groundwater) was completed in November 1998. An air sparging/soil vapor extraction system was constructed and put into operation in January 2000 to address the on-site groundwater and soil contamination. A remedial design consent order was negotiated to address off-site groundwater contamination (OU-2). Installation of the OU-2 remedial system began in January of 2002.

Confirmed Hazardous Waste Disposal:

1,1,1-Trichloroethane {(TCA) (F002 Waste)}

Quantity:

unknown

Analytical Data Available for:	Groundwater	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater		
Geotechnical Information:		Depth to	
Soil/Rock Type: Fine to medium sand with gravel.		Groundwater: Range: 50 to 55 feet.	
Legal Action: Type: State Consent Order		Status: Negotiations in Progress	
Remedial Action: In Progress		Nature of action: Air sparging & soil vapor extraction.	

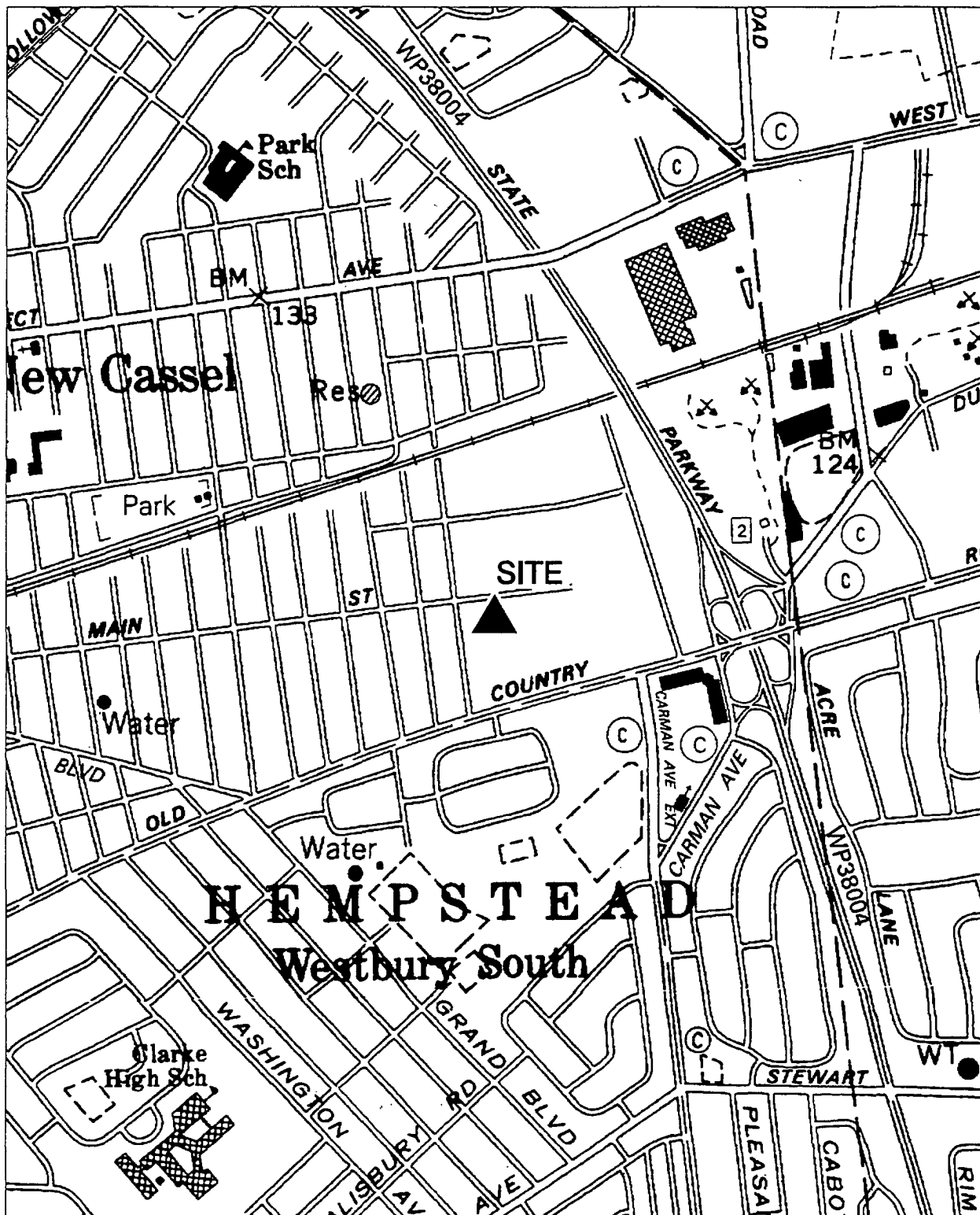
Assessment of Environmental Problems:

Past site operations have contaminated groundwater beneath and downgradient of the site with extremely high levels of TCA and 1,1-dichloroethane. The contaminated groundwater is located within an EPA-designated sole-source aquifer. The contaminant plume that is partially emanating from the site has migrated 1,000 feet downgradient.

Assessment of Health Problems:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers. Strategies to further protect the impacted downgradient supply wells are currently being discussed.

SYL00115261



Site Location Map

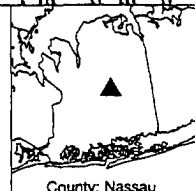
130043H Utility Manufacturing/Wonder King

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Nassau

SYL00115262

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Utility Manufacturing/Wonder King	Site Code: 130043H
Class Code: 2 Region: 1 County: Nassau	EPA Id: NYD001095363
Address: 700-712 Main Street / New Cassel, NY 11590	
Latitude: 40° 45' 25" Longitude: 73° 33' 24"	
Site Type: Structure	Estimated Size: 0.85 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Nest Equities, Inc.
Current Owner(s) Address: 700-712 Main Street / New Cassel, NY 11590
Owner(s) during disposal: Nest Equities, Inc.
Operator(s) during disposal: Utility Manufacturing/Wonder King
Stated Operator(s) Address: 700-712 Main Street / New Cassel, NY 11590
Hazardous Waste Disposal Period: From: 1977 To: present

Site Description:

This site is located near the east end of Main Street at the eastern end of the New Cassel Industrial Area. The current occupant is in the business of blending and repackaging cleaning materials and plumbing and heating supplies. The bulk products are shipped in, blended and repackaged for individual resale. There is documented use of a number of hazardous compounds at this site, including tetrachloroethylene (PCE) and trichloroethylene (TCE), as well as a history of discharge to cesspools and dry wells at the site. Downgradient concentrations of PCE-related compounds were found to be significantly higher than those found upgradient of the site. Past (and present) site operations have contaminated groundwater beneath and downgradient of the site with high levels of PCE. The contaminated groundwater is located within an EPA designated sole-source aquifer. The contaminant plume emanating from the site has migrated approximately 200 feet downgradient. Two public supply wells are located approximately 2,100 feet downgradient of the site, consequently this site poses a significant threat to the public health and the environment. The records of the Nassau County Department of Health indicate that contaminated liquids and sediments were removed from two sanitary leach pools and six dry wells in November 1989. This contamination consisted of volatile organic compounds including PCE and TCE. A Consent Order was signed in December 1997 for a Focused Remedial Investigation and Feasibility Study. The field work was completed in July 1998. Results of the RI indicated contamination of on-site groundwater. An air sparge/soil vapor extraction (AS/SVE) system was installed in 2001 to remove VOCs from on-site groundwater.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene
Trichloroethylene

Quantity:

unknown
unknown

Analytical Data Available for: Groundwater Soil	
Applicable Standards Exceeded in: Groundwater	
Geotechnical Information:	Depth to
Soil/Rock Type: Fine to medium sand with gravel.	Groundwater: Range: 55 to 60 feet.
Legal Action: Type: State Consent Order	Status: Order Signed
Remedial Action: In Progress	Nature of action: Air sparging & soil vapor extraction.

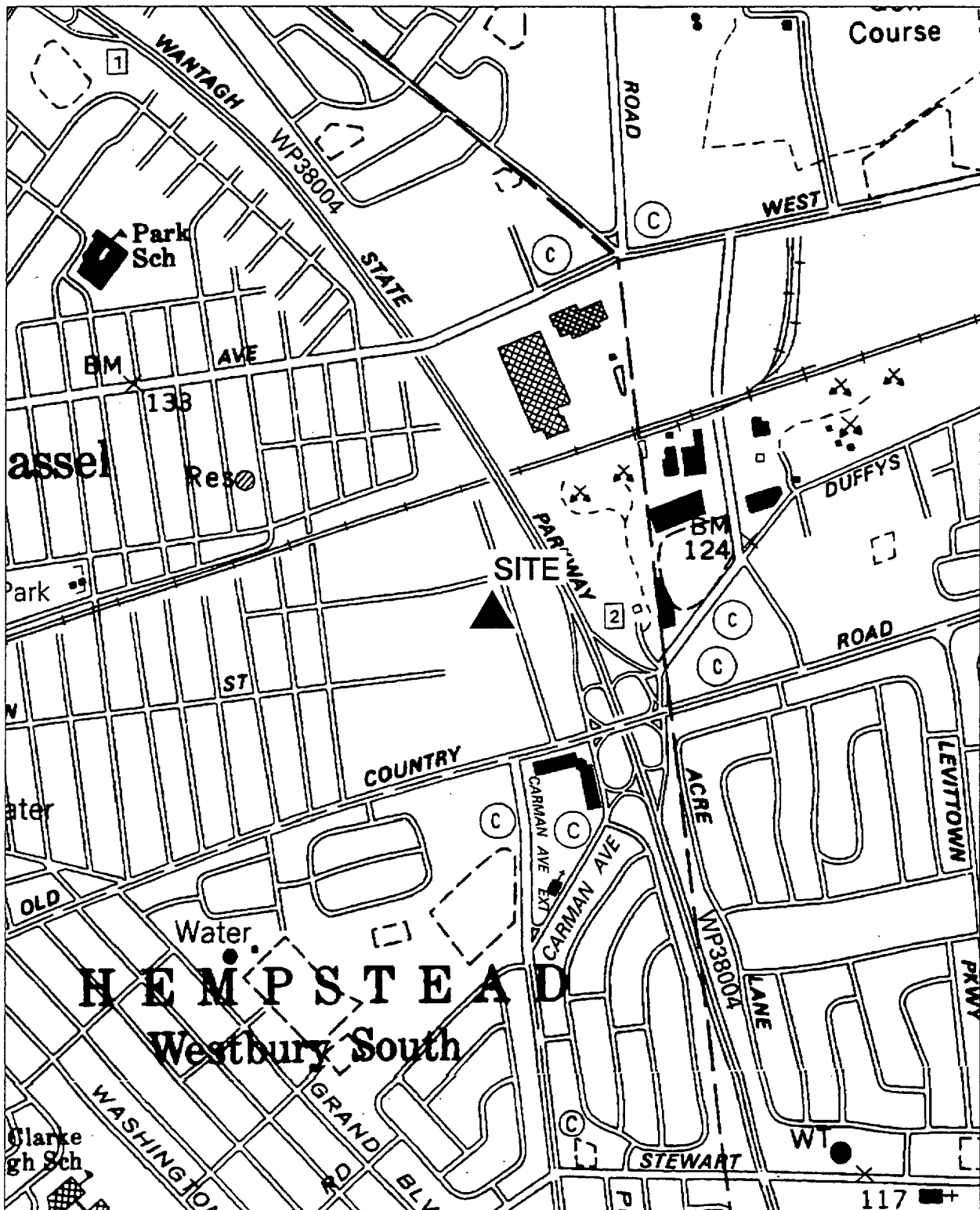
Assessment of Environmental Problems:

Past (and present) site operations have contaminated the groundwater within a sole-source aquifer at and downgradient of the site with high levels of tetrachloroethylene.

Assessment of Health Problems:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers. Strategies to further protect the impacted downgradient supply wells are currently being discussed.

SYL00115263



Site Location Map

130043I Former Autoline Automotive Corporation

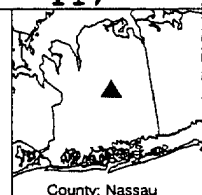
Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000

April 1, 2002



County: Nassau

SYL00115264

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Former Autoline Automotive Corporation	Site Code: 130043I
Class Code: 2 Region: 1 County: Nassau	EPA Id: NYD001095363
Address: 101 Frost Street / New Cassel, NY 11590	
Latitude: 40° 45' 31" Longitude: 73° 33' 14"	
Site Type: Structure	Estimated Size: 1.7 Acres

Site Owner / Operator Information:

Current Owner(s) Name: K.B. Company
Current Owner(s) Address: 270 Broadway / Hicksville, NY 11801
Owner(s) during disposal: unknown
Operator(s) during disposal: Autoline Automotive Corporation
Stated Operator(s) Address: 101 Frost Street / New Cassel, NY 11590
Hazardous Waste Disposal Period: From: 1984 To: 1992

Site Description:

This site is located near the end of Frost Street at the eastern end of the New Cassel Industrial Area. Distribution Systems of America, Inc. has no documented use of any chemical compounds. Former tenants, Autoline Automotive Corporation and National Bassen Textiles had documented use of degreasers and unknown chemicals, respectively. Two dry wells/cesspools are believed to have existed in the western portion of the site; Tetrachloroethylene (PCE) and 1,1,1-trichloroethane (TCA) related compounds were found in very high concentrations in the groundwater in this area of the site. Based upon the high downgradient versus upgradient groundwater levels of 1,1,1-trichloroethane and tetrachloroethylene and the high levels of both compounds found in the groundwater under the site, past disposal of hazardous waste is confirmed. The contaminated groundwater is located within an EPA designated sole-source aquifer. The contaminated plume that is emanating from this site has migrated approximately 1,000 feet downgradient. Two public water supply wells are located approximately 2,800 feet downgradient of the site. The site has received a State Superfund referral. The field work for a Remedial Investigation/Feasibility Study (RI/FS) was completed in October 1998 and the report was dated August 1999. A ROD for Operable Unit 01-Soil was issued on March 30, 2000. Soil Vapor Extraction for the deep soil; Excavation and off-site disposal of surface soil; Removal of dry well sediments by vacuum truck for on-site soil were the selected remedies. The contaminated groundwater at the three Frost Street sites (Former Autoline Automotive, 89 Frost Street and Former Applied Fluidics) was the subject of a combined groundwater ROD for Operable Unit 02 issued on March 30, 2000. The selected remedies are Air Sparging/Soil Vapor Extraction near sources and In-well Air Stripping for Deep Groundwater contamination off site.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene
 1,1,1-Trichloroethane

Quantity:

unknown
 unknown

Analytical Data Available for: Groundwater Soil
Applicable Standards Exceeded in: Groundwater
Geotechnical Information:
Soil/Rock Type: Fine to medium sand with gravel. Depth to Groundwater: Range: 55 to 60 feet.
Legal Action: Type: State Consent Order -RD/RA Status: Negotiations in Progress
Remedial Action: Proposed Nature of action: Source removal + SVE/AS/AVE + in-well stripping.

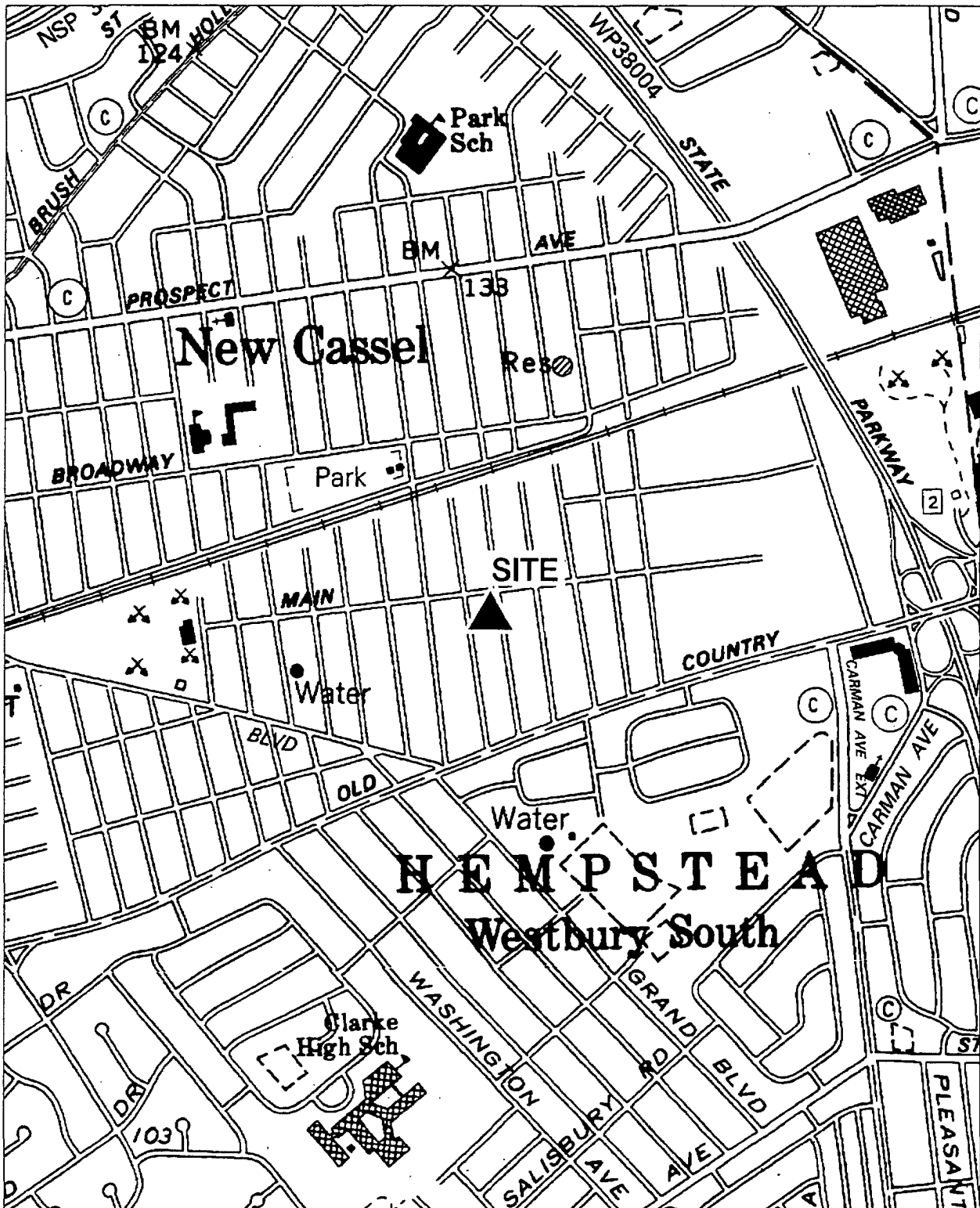
Assessment of Environmental Problems:

Tetrachloroethylene and 1,1,1-trichloroethane compounds attributable to the various activities at this site have contaminated the groundwater within a sole-source aquifer at and downgradient of the site. Contamination has migrated at least 1,000 feet downgradient. There are two public water supply wells located about 2,800 feet away from the site in the downgradient direction.

Assessment of Health Problems:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers. Strategies to further protect the impacted downgradient supply wells are currently being discussed.

SYL00115265



Site Location Map

130043K Former LAKA Industries, Inc.

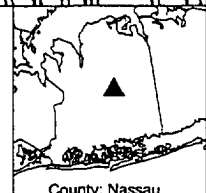
Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000

April 1, 2002



SYL00115266

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Former LAKA Industries, Inc.	Site Code: 130043K
Class Code: 2 Region: 1 County: Nassau	EPA Id: NYD001095363
Address: 62 Kinkel Street / New Cassel, NY 11590	
Latitude: 40° 45' 24" Longitude: 73° 33' 41"	
Site Type: Structure	Estimated Size: 0.17 Acres

Site Owner / Operator Information:

Current Owner(s) Name: DermKraft, Inc.
Current Owner(s) Address: 62 Kinkel Street / New Cassel, NY 11590
Owner(s) during disposal: unknown
Operator(s) during disposal: LAKA Industries, Inc.
Stated Operator(s) Address: 62 Kinkel Street / New Cassel, NY 11590
Hazardous Waste Disposal Period: From: 1971 To: 1984

Site Description:

This site is located on the east side of Kinkel Street, south of Main Street in the New Cassel Industrial Area. The former occupants LAKA Tools and Stamping and LAKA Industries used trichloroethylene (TCE) as a degreaser. Soil samples collected from an abandoned drywell or cesspool contained extremely high levels of TCE and cis-1,2-dichloroethylene (DCE) and groundwater samples collected at the same locations also contained high levels of both TCE and cis-1,2-DCE. Past site operations have contaminated groundwater beneath and downgradient of the site with high levels of TCE and cis-1,2-DCE. The contaminated groundwater is located within an EPA designated sole-source aquifer. The contaminated plume that is emanating from this site has migrated approximately 700 feet downgradient. Two public water supply wells are located 1,500 feet downgradient of this site. This site has received a State Superfund referral. A standby consultant was authorized to implement a Focused Remedial Investigation and Feasibility Study. The field work was completed in October 1998. The Focused Remedial Investigation dated November 1998 and the Focused Feasibility Study dated May 1999 were presented along with the Proposed Remedial Action Plan (PRAP) for Operable Unit 1 (OU-1) on-site soil and groundwater were presented at a public meeting September 30, 1999. The selected remedy was the excavation and off-site disposal of soil and includes monitoring of on-site groundwater for a period of at least two years. The ROD for OU-1 was issued on February 29, 2000 and a Superfund referral was issued on January 3, 2001. The Remedial Action for OU-1 began on February 18, 2002. The excavation and cleanout of the cesspool and catch basin began on February 19, 2002 and confirmatory samples were collected. The excavation was restored and the final inspection was completed on February 28, 2002. The waste material was removed from the site in March, 2002.

Confirmed Hazardous Waste Disposal:

Trichloroethylene (F001-F002)

Quantity:

unknown

Analytical Data Available for: Groundwater Soil	
Applicable Standards Exceeded in: Groundwater	
Geotechnical Information:	Depth to
Soil/Rock Type: Fine to medium sand with gravel.	Groundwater: Range: 55 to 60 feet.
Legal Action: Type:	Status:
Remedial Action: Complete	Nature of action: Source removal + monitoring.

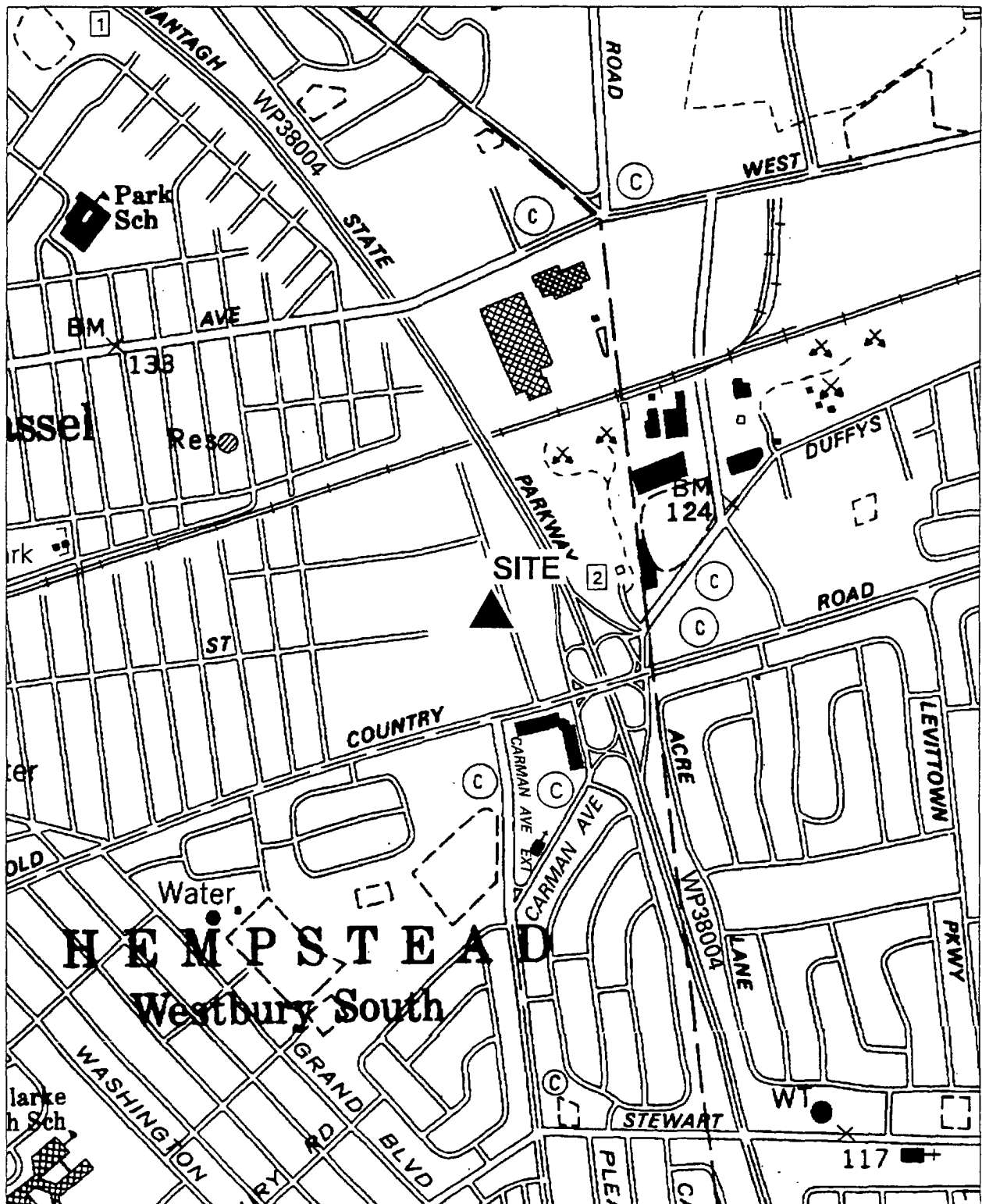
Assessment of Environmental Problems:

Past site operations have contaminated the groundwater within a sole-source aquifer at and downgradient of the site with high levels of Trichloroethylene.

Assessment of Health Problems:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers. Strategies to further protect the impacted downgradient supply wells are currently being discussed.

SYL00115267



Site Location Map

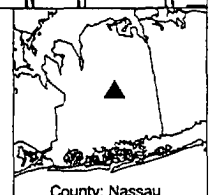
130043L 89 Frost Street Site

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Nassau

SYL00115268

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: 89 Frost Street Site	Site Code: 130043L
Class Code: 2 Region: 1 County: Nassau	EPA Id: NYD001095363
Address: 89 Frost Street / New Cassel, NY 11590	
Latitude: 40° 45' 28" Longitude: 73° 33' 12"	
Site Type: Structure	Estimated Size: 0.85 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Jerry Spiegel
Current Owner(s) Address: 270 North Broadway / Hicksville, NY 11801
Owner(s) during disposal: unknown
Operator(s) during disposal: ADCHEM Corporation
Stated Operator(s) Address: 625 Main Street / New Cassel, NY 11590
Hazardous Waste Disposal Period: From: 1971 To: 1973

Site Description:

This site is located near the end of Frost Street at the eastern end of the New Cassel Industrial Area. The current occupant, KORG, has no documented use of any chemical compounds related to the contamination in the groundwater. Maven, Unicord, and Adchem have all occupied the site at different times in the past. Although there is no documentation that these occupants used volatile organic compound (VOC) related chemicals at this facility, at least one, Adchem, does have a history of VOC usage at other facilities in the New Cassel Industrial Area. Two dry wells/cesspools were documented to have existed in the western portion of this site and one in the eastern portion. High concentrations of tetrachloroethylene and related compounds were found in the groundwater at this site. Based upon the high downgradient versus upgradient groundwater levels of tetrachloroethylene and the high levels of tetrachloroethylene found in the groundwater under the site, past disposal of hazardous waste is confirmed. The contaminant plume that is emanating from this site has migrated approximately 1,000 feet downgradient. Two public water supply wells are located approximately 2,800 feet downgradient of the site. A standby consultant was authorized to implement a Remedial Investigation/Feasibility Study (RI/FS). The field work was completed in September 1998 and a final report was dated August 1999. The ROD for Operable Unit 1 (OU-1) - Soil was issued on March 30, 2000 and Soil Vapor Extraction for the deep soil was the preferred remedy for on-site soil. The contaminated groundwater at the three Frost Street sites (Former Autoline Automotive, 89 Frost Street and Former Applied Fluidics) was the subject of a combined groundwater ROD for Operable Unit 2 (OU-2) which was issued on March 30, 2000. The selected remedy was Air Sparging/Soil Vapor Extraction for near sources and In-well Air Stripping for deep groundwater contamination off site.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene

Quantity:

unknown

Analytical Data Available for: Groundwater Soil	
Applicable Standards Exceeded in: Groundwater	
Geotechnical Information:	Depth to
Soil/Rock Type: Fine to medium sand with gravel.	Groundwater: Range: 55 to 60 feet.
Legal Action: Type: State Consent Order -RD/RA	Status: Negotiations in Progress
Remedial Action: Proposed	Nature of action: Deep soil SVE + GW air sparging & SVE.

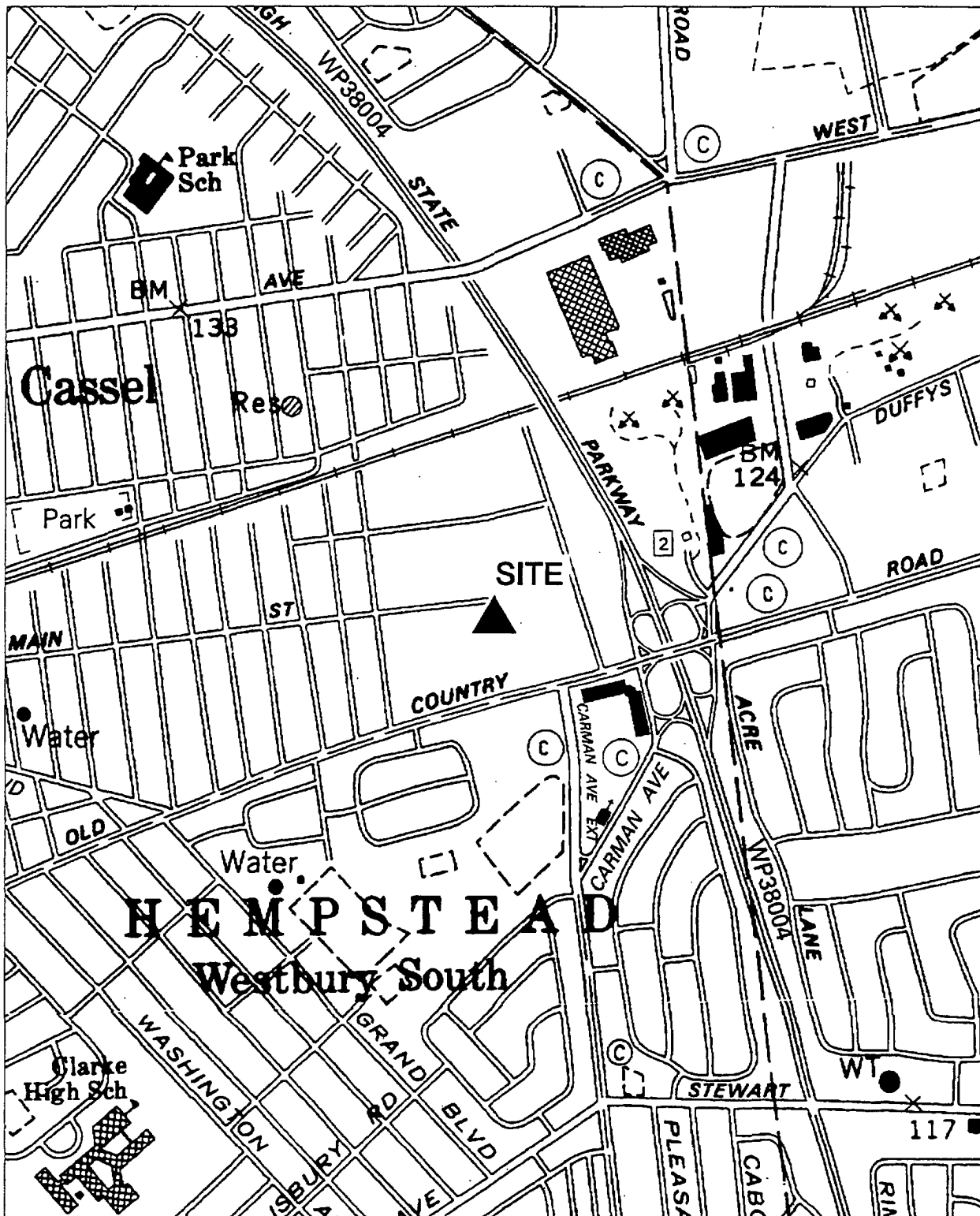
Assessment of Environmental Problems:

Tetrachloroethylene compounds attributable to the various activities at this site have contaminated the groundwater within a sole-source aquifer at and downgradient of the site. Contamination has migrated as least 1,000 feet downgradient. There are two public water supply wells located about 2,800 feet away from the site in the downgradient direction.

Assessment of Health Problems:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers. Strategies to further protect the impacted downgradient supply wells are currently being discussed.

SYL00115269



Site Location Map

130043M Former Applied Fluidics

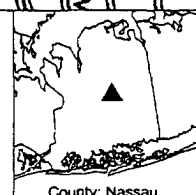
Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000

April 1, 2002



County: Nassau

SYL00115270

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Former Applied Fluidics	Site Code: 130043M
Class Code: 2 Region: 1 County: Nassau	EPA Id: NYD001095363
Address: 770 Main Street / New Cassel, NY 11590	
Latitude: 40° 45' 26" Longitude: 73° 33' 18"	
Site Type: Structure	Estimated Size: 0.63 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Emily Spiegel Trust et. al.
Current Owner(s) Address: 270 North Broadway / Hicksville, NY 11801
Owner(s) during disposal: Applied Fluidics
Operator(s) during disposal: Applied Fluidics
Stated Operator(s) Address: 770 Main Street / New Cassel, NY 11590
Hazardous Waste Disposal Period: From: 1975 To: 1988

Site Description:

This site is located at the east end of Main Street in the eastern end of the New Cassel Industrial Area. The current occupant, Coronet Juvenile Furniture, has no documented usage of the chemicals related to the groundwater contamination. The prior occupant, Applied Fluidics, had documented usage of trichloroethylene (TCE), as well as other compounds containing tetrachloroethylene (PCE). Soil samples collected in close proximity to a drywell/cesspool at depths of 15 to 17 feet and 17 to 19 feet contained PCE at concentrations of 70 to 390 ppb, respectively. Site operations have contaminated groundwater beneath and downgradient of the site with high levels of PCE. The contaminated groundwater is located within an EPA designated sole-source aquifer. The contaminant plume that is emanating from the site has migrated approximately 400 feet downgradient of the site. Two public water supply wells are located approximately 2,100 feet downgradient. Thus, this site poses a significant threat to the public health and the environment. This site has received a State Superfund referral. A standby consultant was authorized to implement a Remedial Investigation/Feasibility Study (RI/FS). The field work was completed in September 1998. The site owner has built a new store on this property. The RI/FS was completed and the report was dated August 1999. The ROD for Operable Unit 1 (OU-1) - Soil was issued on March 28, 2000. The remedy called for no action for on-site soil. The contaminated groundwater at the three Frost Street sites (Former Autoline Automotive, 89 Frost Street and Former Applied Fluidics) was the subject of a combined groundwater ROD for Operable Unit 2 (OU-2) which was issued on March 30, 2000. The selected remedy was Air Sparging/Soil Vapor Extraction for near sources and In-well Air Stripping for deep groundwater contamination off site.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene (PCE or "perc")
Trichloroethylene

Quantity:

unknown
unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Fine to medium sand with gravel.		Groundwater: Range: 55 to 60 feet.
Legal Action: Type:		Status:
Remedial Action: Proposed		Nature of action: SVE/AS + GW in-well air stripping - deep GW.

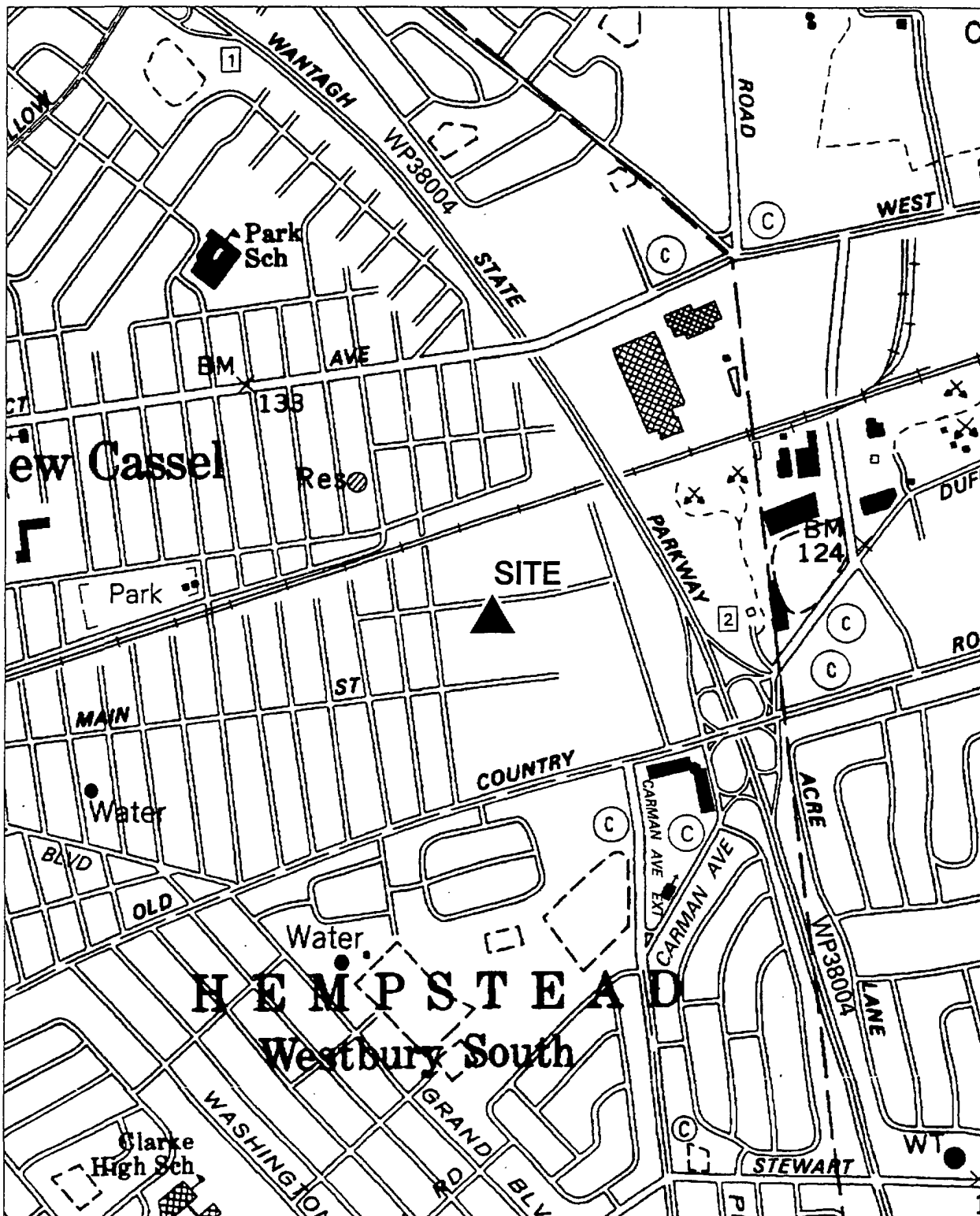
Assessment of Environmental Problems:

Past site operations have contaminated the groundwater within a sole-source aquifer at and downgradient of the site with high levels of tetrachloroethylene.

Assessment of Health Problems:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers. Strategies to further protect the impacted downgradient supply wells are currently being discussed.

SYL00115271



Site Location Map

130043N EZ-EM, Inc.

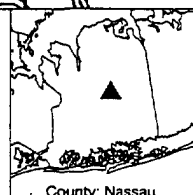
Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000

April 1, 2002



County: Nassau

SYL00115272

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: EZ-EM, Inc.	Site Code: 130043N
Class Code: 4 Region: 1 County: Nassau	EPA Id: NYD001095363
Address: 750 Summa Avenue / New Cassel, NY 11590	
Latitude: 40° 45' 31" Longitude: 73° 33' 23"	
Site Type:	Estimated Size: 2.3 Acres

Site Owner / Operator Information:

Current Owner(s) Name: EZ-EM, Inc.
Current Owner(s) Address: 750 Summa Avenue / New Cassel, NY 11590
Owner(s) during disposal: *** Multiple Site Owners ***
Operator(s) during disposal: *** Multiple Site Operators ***
Stated Operator(s) Address:
Hazardous Waste Disposal Period: From: 1968 To: 1985

Site Description:

This site consists of buildings, roadways and parking lots. The building is a two story office/warehouse with a 70,000 sq. ft. footprint. The site was occupied by Advance Food Service Equipment Manufacturing, a stainless steel kitchen equipment supplier, from 1968 to 1991. Micro Industries, a machine shop, occupied the site from 1971 to 1982. Since 1982, EZ-EM has been at the site. Records indicate that Advance Food Service stored or used 111-TCA and solvents at the site. A degreaser vat was located in the southwest corner of the building. The Nassau County Department of Health (NCDOH) had the floor drain sealed in 1978. 480 ppb of 111-TCA was detected in dry well samples and in 1985 the degreaser was removed. In 1978, records show that the degreaser sludge (111-TCA & waste oil) was stored in drums in the rear of the facility.

Higher levels of contamination are found in the groundwater at the area of the building where former disposal had taken place, relative to low upgradient concentrations. However, the extent and level of contamination appears to be localized and of minor consequence when considered in light of the nearby areas of contamination. The contaminated groundwater is located within an EPA designated sole-source aquifer. Two public water supply wells are located approximately 2,800 feet downgradient of the site.

Confirmed Hazardous Waste Disposal:
111 - TCA (F001 Waste)

Quantity:
unknown

Analytical Data Available for:	Groundwater Soil
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	
Soil/Rock Type: Fine to medium sand with gravel.	Depth to Groundwater: Range: 50 to 55 feet.
Legal Action: Type:	Status:
Remedial Action: Complete	Nature of action: Sludge removal.

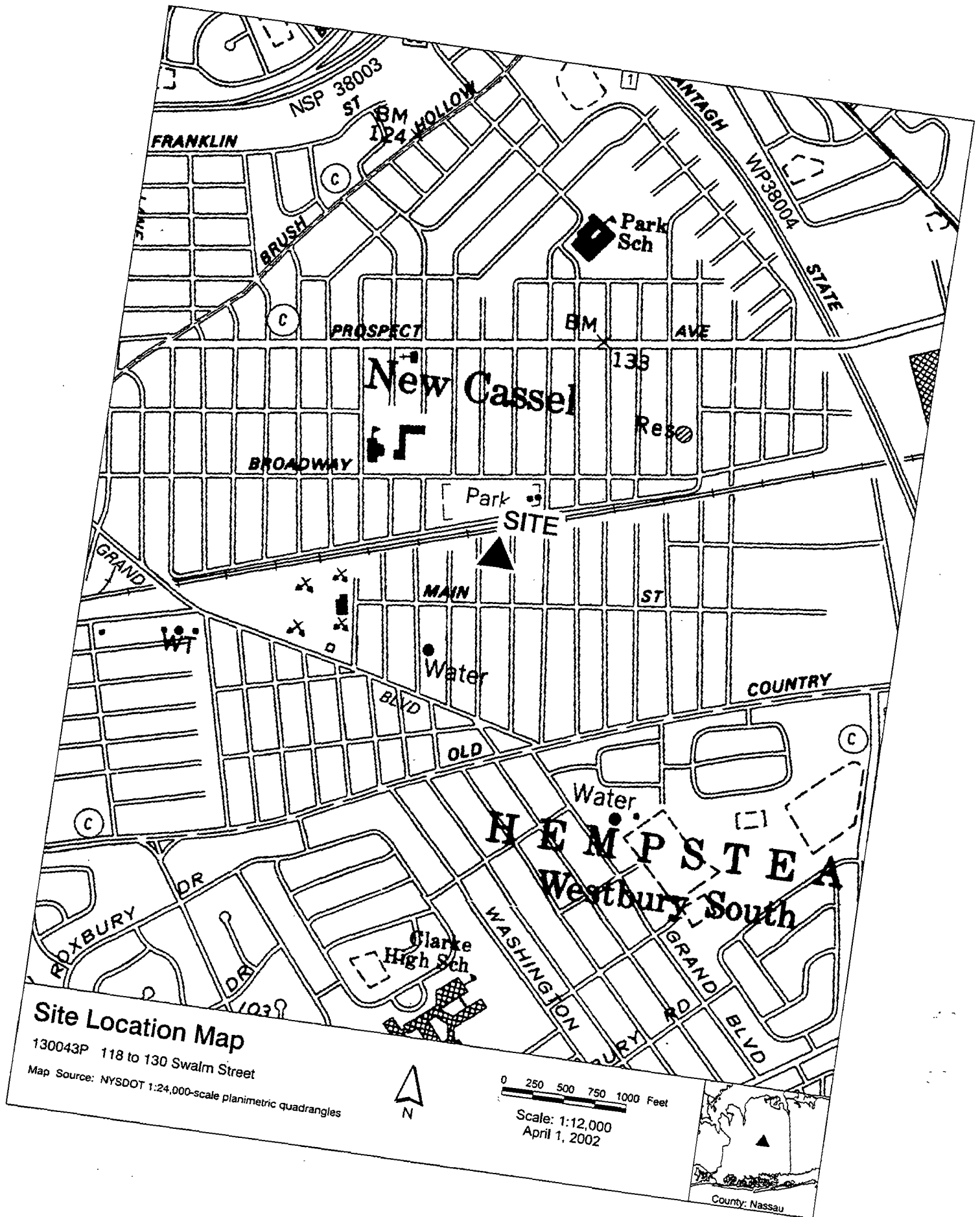
Assessment of Environmental Problems:

Environmental sampling has confirmed groundwater contamination in the former disposal area at this site. The contamination is localized. The site is located within an EPA designated sole source aquifer and is approximately 2,800 feet upgradient of a public water supply system.

Assessment of Health Problems:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers. Strategies to further protect the impacted downgradient supply wells are currently being discussed.

SYL00115273



SYL00115274

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: 118 to 130 Swalm Street		Site Code: 130043P
Class Code: 2	Region: 1	County: Nassau
Address: 118-130 Swalm Street / New Cassel, NY 11590		
Latitude: 40° 45' 28"		Longitude: 73° 33' 52"
Site Type:		Estimated Size: 0.6 Acres

Site Owner / Operator Information:	
Current Owner(s) Name:	Barough, Eaton & Allen Corporation
Current Owner(s) Address:	67 Kent Street / Brooklyn, NY 11211
Owner(s) during disposal:	unknown
Operator(s) during disposal:	*** Multiple Site Operators ***
Stated Operator(s) Address:	
Hazardous Waste Disposal Period: From: 1978 To: 1994	

Site Description:

The current tenant, Liqui-Mark, used and stores large quantities of chemicals. However, these chemicals do not contain PCE or TCE related compounds. An abandoned trench once went through the building and connected to leach pools at the north side of the building. The file review indicates the property was developed in 1961 and was formerly occupied by a mechanical engraving company, a plastics extrusion company, a vitamin manufacturer, and an ink ribbon manufacturer. Based on these types of operations, it is likely that they used products containing PCE and TCE related compounds. Soil samples at the leachpool locations detected target compounds indicating that this was a disposal area. The contamination seems to be emerging from this site and contaminating downgradient groundwater. The contaminated groundwater is located within an EPA designated sole-source aquifer. Two public water supply wells are located approximately 2,800 feet downgradient of the site. A Consent Order for a Remedial Investigation/Feasibility Study (RI/FS) and a RI/FS workplan was executed in October 1998. Field work was completed in January 1999. The initial RI Report is complete and a supplemental report was received in May of 2000. The NYSDEC requested that the PRP do one more geoprobe boring on the SW corner of the site and additional investigation of internal drainage structures. The field work was completed in April 2001. Based on the results of the February 2001 field work, additional geoprobe borings are required. The field work is scheduled for March 2002.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene (F001 & F002 Waste)
Trichloroethylene (F001 & F002 Waste)

Quantity:

unknown
unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Fine to medium sand with gravel.		Groundwater: Range: 50 to 55 feet.

Legal Action: Type: State Consent Order -RI/FS	Status: Order Signed
Remedial Action:	Nature of action:

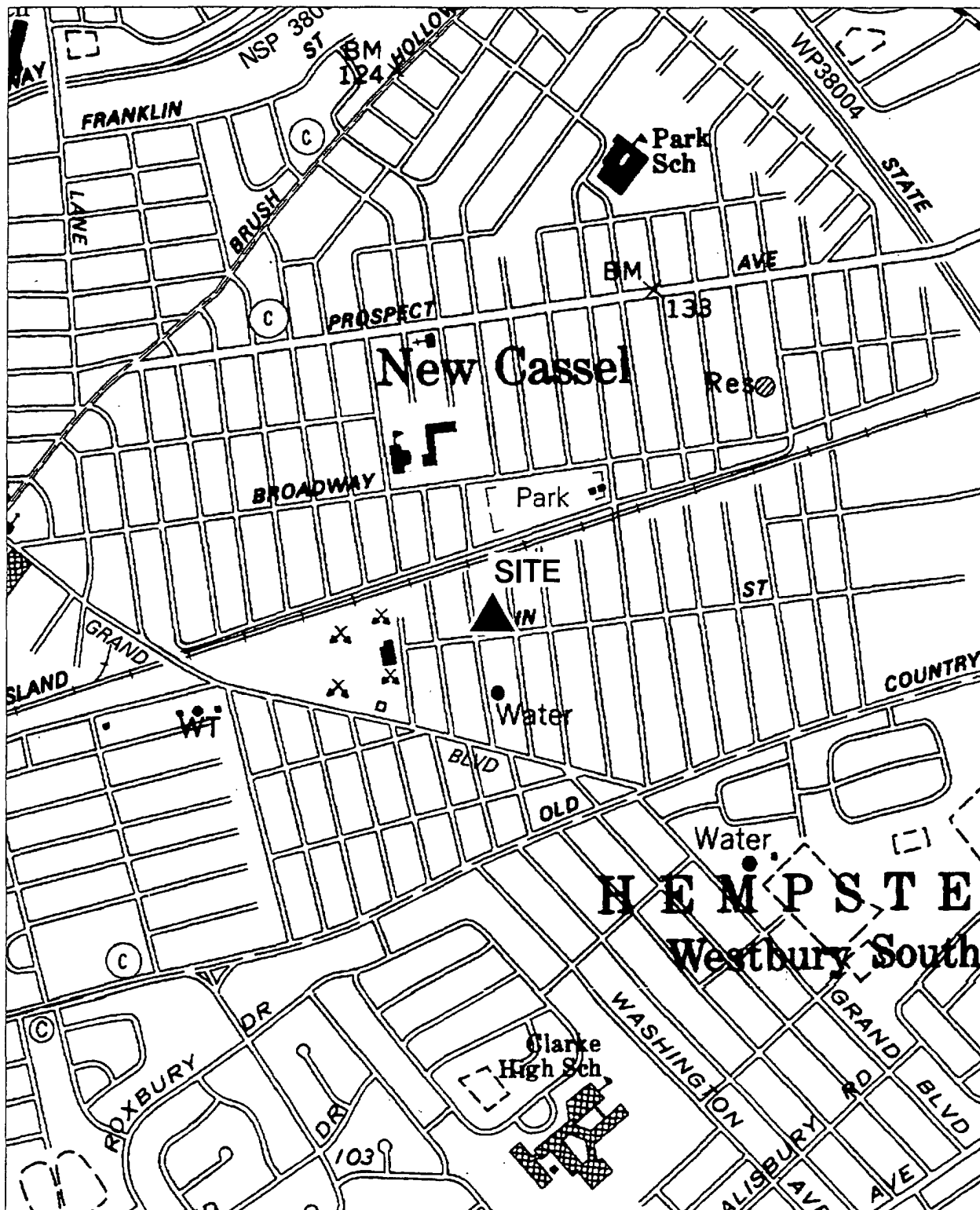
Assessment of Environmental Problems:

Environmental sampling has confirmed that there is a plume of contaminated groundwater migrating away from this site. The site is situated within an EPA designated sole-source aquifer and is approximately 2,800 feet upgradient of a public-water supply system.

Assessment of Health Problems:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers. Strategies to further protect the impacted downgradient supply wells are currently being discussed.

SYL00115275



Site Location Map

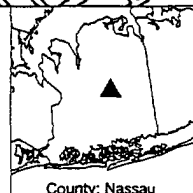
130043S 299 Main Street

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



SYL00115276

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: 299 Main Street			Site Code: 130043S
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD001095363
Address: 299 Main Street / New Cassel, NY 11590			
Latitude: 40° 45' 25"		Longitude: 73° 33' 59"	
Site Type:		Estimated Size: 1.2 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **2632 Realty Development Corporation**
 Current Owner(s) Address: **1025 Old Country Road / New Cassel, NY 11590**
 Owner(s) during disposal: **unknown**
 Operator(s) during disposal: ***** Multiple Site Operators *****
 Stated Operator(s) Address:
 Hazardous Waste Disposal Period: **From: 1963 To: 1993**

Site Description:

This site was developed sometime between 1950 and 1962 and consists of a garage with a number of bays and office space. To the north of the building is a large fenced storage yard. The property was formerly used as a junkyard and a transportation company. Island Transportation Company (ITC) used TCE to wash asphalt residues from its trucks prior to 1980. A Nassau County Department of Health (NCDOH) inspection in 1978 listed a storage of 2,841 pounds of TCE, and oil saturation at the storage area. The NCDOH in 1979, discovered that ITC was discharging wastewater from its truck cleaning operations into the street. A sample analysis showed that benzene, toluene and aliphatic hydrocarbons were present in this discharge. Sam-Ton Towing and Salvage was cited by USEPA in August 1990 for illegally injecting fluids into the ground via Class V wells at this property. On November 2, 1993 a fire occurred at Sam-Ton and at least seven drums of unknown contents spilled during the fire. Past site operations have contaminated groundwater beneath and downgradient of the site with TCE and related compounds. The contaminated groundwater is located within an EPA designated sole-source aquifer. Two public water supply wells are located approximately 2,700 feet downgradient of the site. A Focused Remedial Investigation has been conducted and the report was received in May of 2000. NYSDEC requested that additional work be performed in an area of the site contaminated with VOCs. The work plan was received on January 15, 2001, was approved on February 8, 2001 and field work was completed in April 2001 in the former solvent storage tank area (area 10). Based on the results of the 2001 field work, the PRP's consultant has prepared an IRM work plan which is now under review.

Confirmed Hazardous Waste Disposal:

Trichloroethylene (F001 Waste)

Quantity:

unknown

Analytical Data Available for:	Groundwater Soil
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	Depth to
Soil/Rock Type: Fine to medium sand with gravel.	Groundwater: Range: 50 to 55 feet.
Legal Action: Type: State Consent Order	Status: Order Signed
Remedial Action:	Nature of action:

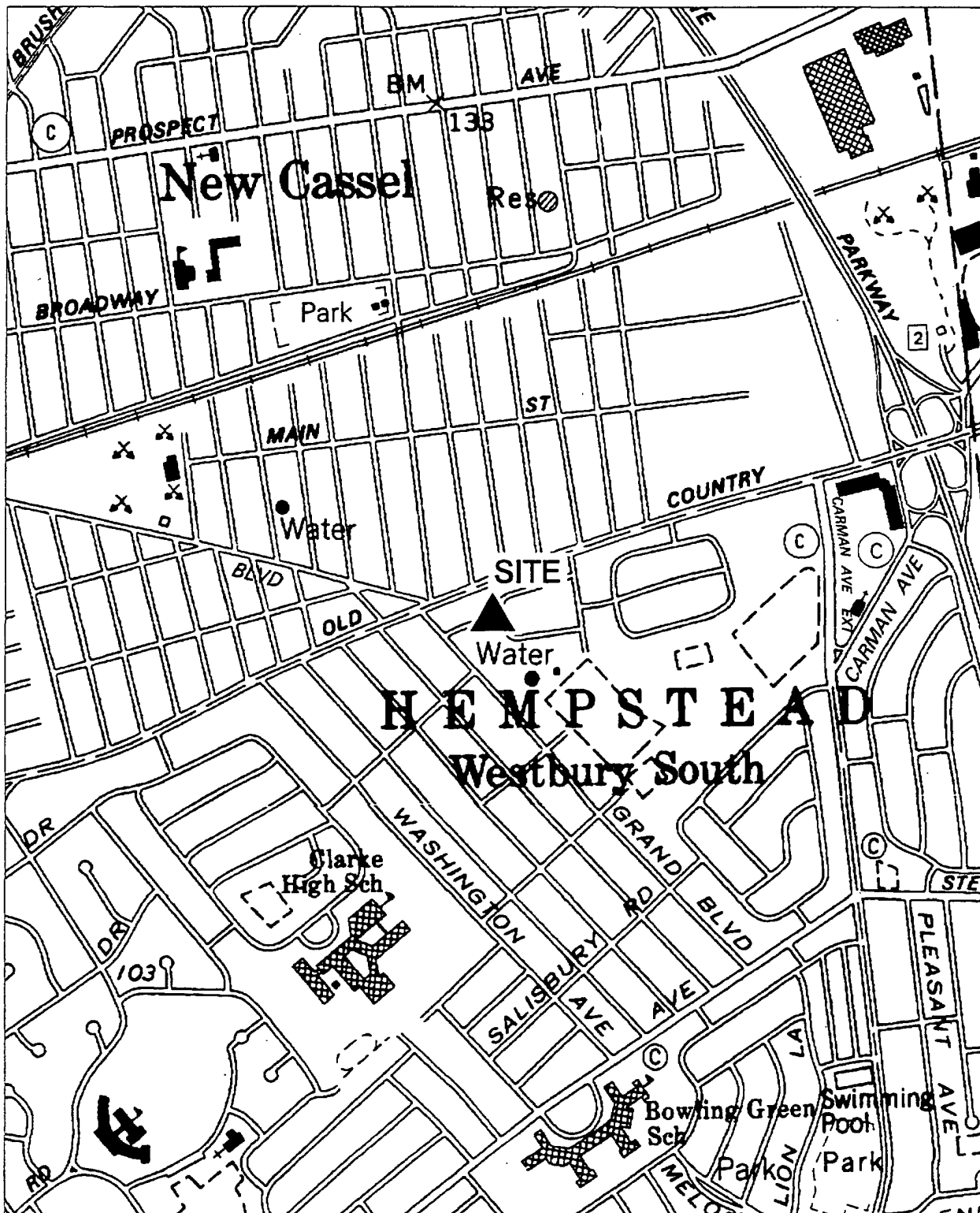
Assessment of Environmental Problems:

Environmental sampling has confirmed groundwater contamination at and downgradient of this site. The site is situated within an EPA designated sole-source aquifer and is approximately 2,700 feet upgradient of a public water supply system.

Assessment of Health Problems:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers. Strategies to further protect the impacted downgradient supply wells are currently being discussed.

SYL00115277



Site Location Map

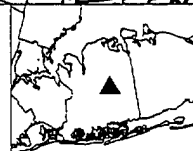
130043U 36 Sylvester Street Site

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Nassau

SYL00115278

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: 36 Sylvester Street Site			Site Code: 130043U
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD001095363
Address: 36 Sylvester Street / New Cassel, NY 11590			
Latitude: 40° 45' 13"		Longitude: 73° 33' 40"	
Site Type: Structure		Estimated Size: 0.7 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Paul Merandi - Grand Machinery Exchange
Current Owner(s) Address: 215 Center Street / New York, NY 10013
Owner(s) during disposal: Israel G. Halpert
Operator(s) during disposal: *** Multiple Site Operators ***
Stated Operator(s) Address:
Hazardous Waste Disposal Period: From: unknown To: unknown

Site Description:

This site is located on the east side of Sylvester Street, running to the west side of New York Avenue, south of Main Street in the New Cassel Industrial Area. The site is currently operated by GEL-TEC (a division of Tishcon Corp.), and formerly by National Gear Products. The building covers most of the lot, with the exception of alleys on the north and south sides of the lot, a small parking area on the southeast side of the lot, and a loading area on the east side. A soil sample collected from a leaching pool on the southeast side of the property exhibited trace amounts of 1,1,1-TCA. Groundwater samples collected from this same location exhibited high concentrations of 1,1,1-TCA. Past site operations have contaminated groundwater beneath and downgradient of this site with high levels of 1,1,1-TCA (162 ppb - 3,235 ppb). The contaminated groundwater is located within an EPA-designated sole-source aquifer. Two public water supply wells are located approximately 1,500 feet downgradient of the site. These wells are currently being impacted by VOCs from the New Cassel Industrial Area. A Focused Remedial Investigation (FRI) for on-site soil and groundwater by the PRP was completed in the fall of 2001. Based on the results, the PRP's consultant has prepared an IRM work plan to remove sediments from the on-site leach pool. The plan is under review.

Confirmed Hazardous Waste Disposal:

1,1,1-Trichloroethane (TCA) (F002 Waste)

Quantity:

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:		Depth to
Soil/Rock Type: Fine to medium sand with gravel.		Groundwater: Range: 50 to 55 feet.
Legal Action: Type: State Consent Order		Status: Negotiations in Progress
Remedial Action:		Nature of action:

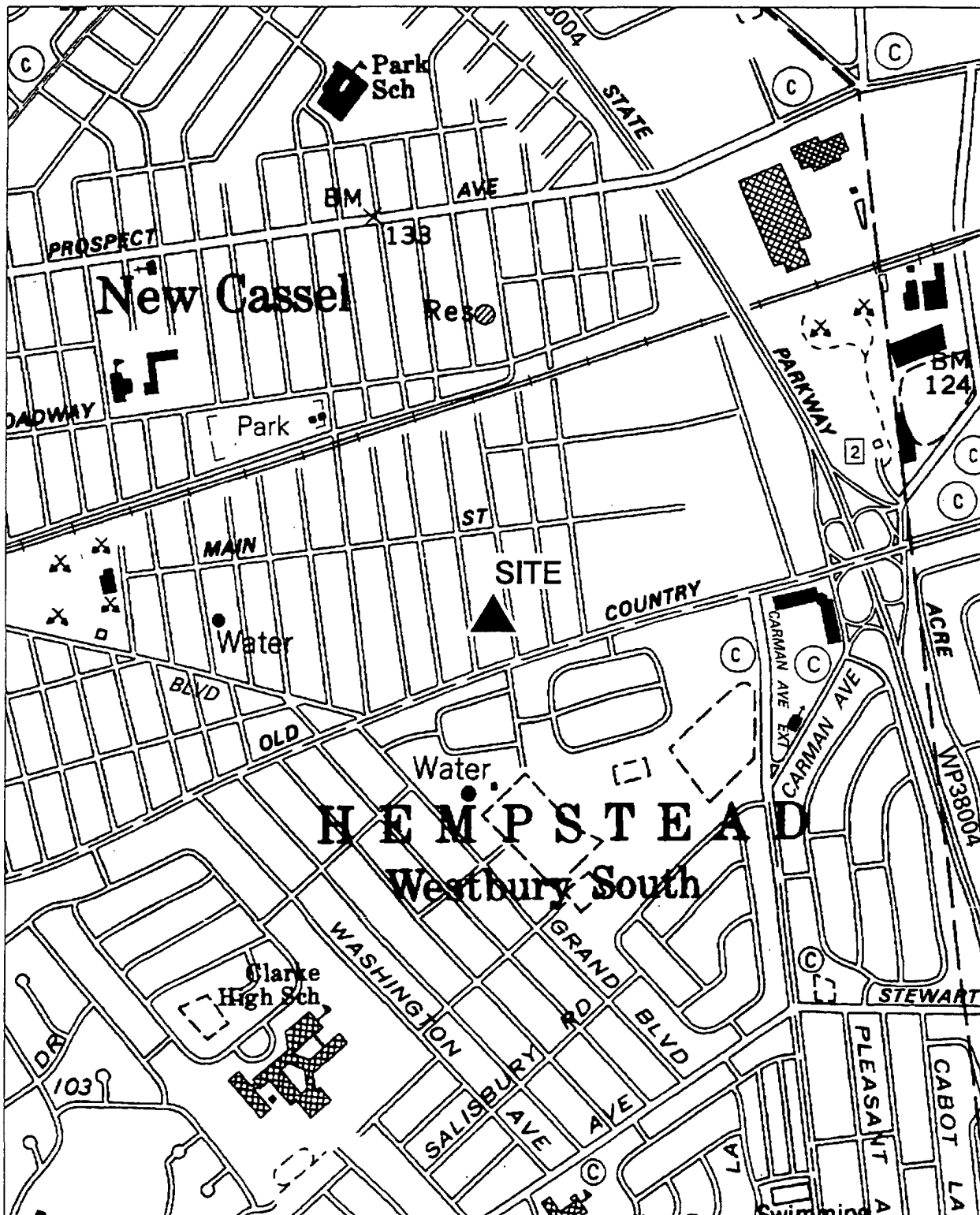
Assessment of Environmental Problems:

Groundwater beneath and downgradient to the site is contaminated with 1,1,1-TCA. Contaminated groundwater is located within a EPA-designated sole-source aquifer. Two public water supply wells are located approximately 1,500-feet downgradient of the site.

Assessment of Health Problems:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers. Strategies to further protect the impacted downgradient supply wells are currently being discussed.

SYL00115279



Site Location Map

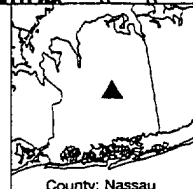
130043V Tishcon Corporation - New York Avenue

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



SYL00115280

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Tishcon Corporation - New York Avenue			Site Code: 130043V
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD001095363
Address: 29 New York Avenue / New Cassel, NY 11590			
Latitude: 40° 45' 20"		Longitude: 73° 33' 34"	
Site Type: Structure		Estimated Size: 0.5 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Equity Share 1 Associates
Current Owner(s) Address: 231 Washington Avenue / Garden City, NY 11530
Owner(s) during disposal: Tishcon Corporation
Operator(s) during disposal: Tishcon Corporation
Stated Operator(s) Address: 30 New York Avenue / New Cassel, NY 11590
Hazardous Waste Disposal Period: From: 1978 To: 1991

Site Description:

This property is located between Sylvester Street and New York Avenue midway between Old Country Road and Main Street in the New Cassel Industrial Area. The Tishcon Corporation manufactures dietary supplements such as vitamins. Soft gelatin capsules are also manufactured by this company. As part of this process, a 1,1,1-trichloroethane (TCA) dip was used to remove mineral oil from the capsules. Approximately 4 drums of TCA were used per week. Sampling conducted on the property by a State consultant in December 1996 detected 180 ppm of TCA, 65 ppm of 1,1 DCA, 110 ppm of methylphenol and 3,900 ppm of Vitamin "E" in the on-site soils. This sample was collected from an open catch basin in the site parking lot. Past site operations have contaminated at least one dry well with high levels of volatile organics. The on-site contamination has impacted the underlying groundwater. This contaminated groundwater is located within an EPA designated sole-source aquifer. The contaminant plume that is partially emanating from this property has migrated approximately 1,000 feet downgradient. Two public supply wells are located approximately 1,500 feet downgradient. The PRP signed a Remedial Investigation/Feasibility Study (RI/FS) Consent Order. A final Remedial Investigation report was received in January 2000. Based on the results, an IRM was carried out to remove contaminated soil from an on-site dry well. A Proposed Remedial Action Plan (PRAP) has been issued which proposes no further action for the site.

Confirmed Hazardous Waste Disposal:

1,1,1 - trichloroethane (TCA) (F002 Waste)

Quantity:

unknown

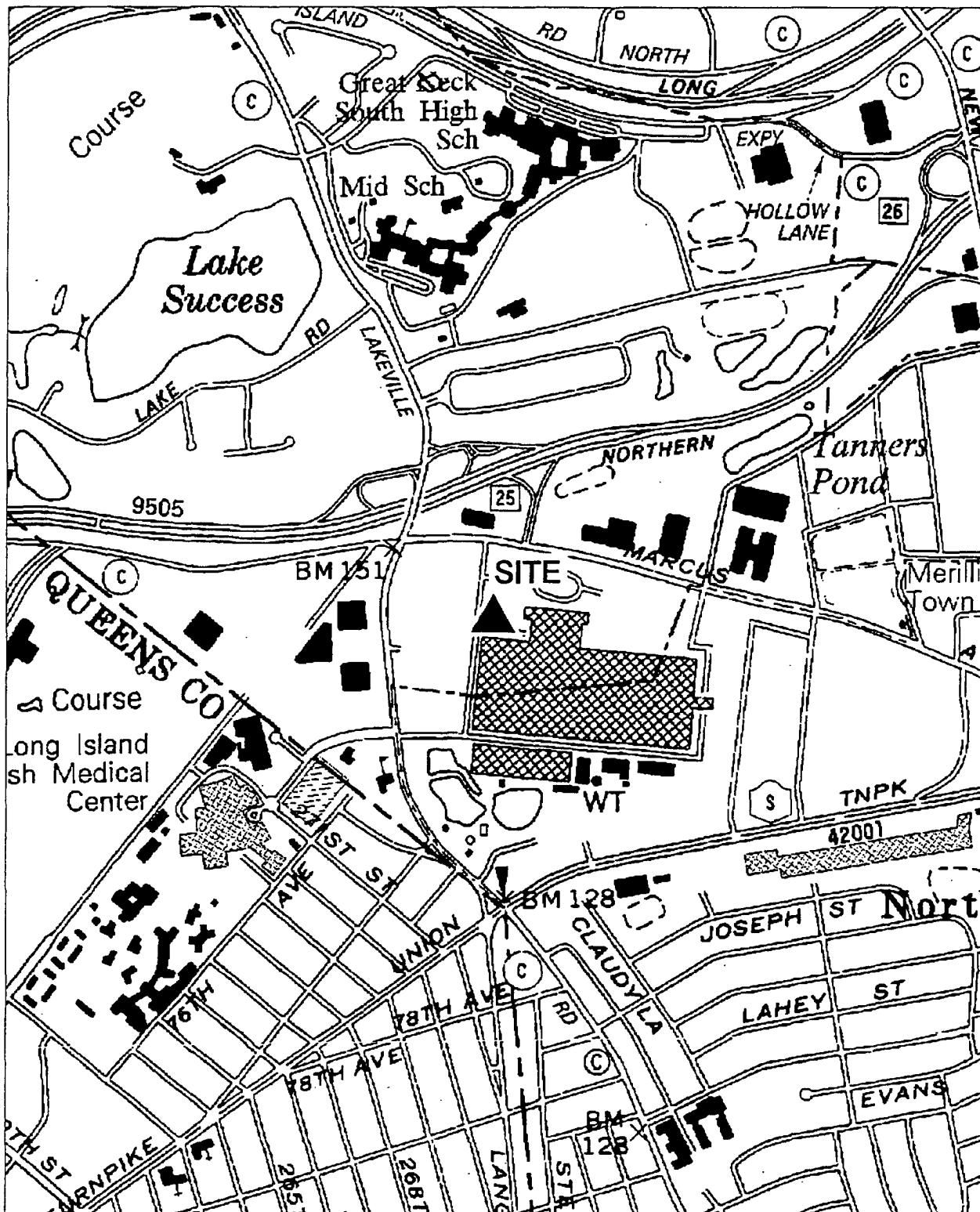
Analytical Data Available for: Groundwater Soil**Applicable Standards Exceeded in:** Groundwater**Geotechnical Information:****Soil/Rock Type:** Fine to medium sand with gravel.**Depth to****Groundwater:** Range: 50 to 55 feet.**Legal Action: Type:** State Consent Order -RI/FS**Status:** Order Signed**Remedial Action:** Complete**Nature of action:** IRM-Removal of contaminated soil.**Assessment of Environmental Problems:**

Past site operations have contaminated groundwater beneath the site and downgradient of the site with high levels of TCA. The contaminated groundwater is located within an EPA designated sole-source aquifer.

Assessment of Health Problems:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers. Strategies to further protect the impacted downgradient supply wells are currently being discussed.

SYL00115281



Site Location Map

130045 Unisys Corporation

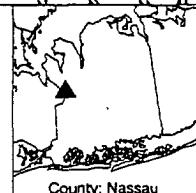
Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000

April 1, 2002



County: Nassau

SYL00115282

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Unisys Corporation			Site Code: 130045
Class Code: 2	Region: 1	County: Nassau	EPA Id:
Address: Marcus Avenue / Lake Success, NY 11042			
Latitude: 40° 45' 28"		Longitude: 73° 42' 6"	
Site Type: Structure		Estimated Size: 94 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **National Resources Great Neck, LLC**
 Current Owner(s) Address: **485 West Putnam Avenue / Greenwich, CT 06830**
 Owner(s) during disposal: **Sperry Corporation/Unisys Corporation**
 Operator(s) during disposal: ***** Multiple Site Operators *****
 Stated Operator(s) Address:
 Hazardous Waste Disposal Period: **From: unknown To: unknown**

Site Description:

This was an active manufacturing facility from its start-up in 1941 until approximately 1995, when all manufacturing activities ceased. In the past, the facility has been used to manufacture a wide range of defense related products. Past manufacturing processes included a casting, etching, degreasing, plating, machining and assembly. Chemicals used during manufacturing at the facility included halogenated solvents, cutting oils, paints and fuel oils and plating compounds. The facility had five drywells which were used to dispose water containing solvents and oils from approximately 1941 to 1978. In 1991, Unisys signed a Consent Order with the NYSDEC to conduct a Remedial Investigation/ Feasibility Study (RI/FS) and Interim Remedial Measures (IRMs) for this site. IRMs for on-site contaminated soils and on-site contaminated groundwater were completed. A RI/FS for Operable Unit-1 (OU-1) which consists of the on-site project area was completed and a Record of Decision (ROD) for OU-1 was issued by the NYSDEC in March 1997. In October 1997, Lockheed Martin Corporation signed a Consent Order with the NYSDEC to implement the selected remedy for OU-1. Removal and off-site disposal of soils and sludges from three dry wells were completed. The IRM soil vapor extraction (SVE) system was evaluated, upgraded, and relocated. The OU-1 SVE system is operating normally. A fence was installed around three on-site recharge basins and deed restrictions were placed on the recharge basin property. The construction of OU-1 groundwater remedy is almost complete and testing is underway. Operable Unit 2 (OU-2) includes the off-site areas immediately surrounding the site. The RI/FS for OU-2 is underway.

Confirmed Hazardous Waste Disposal:

Trichloroethylene {TCE (F001)}
 Tetrachloroethylene {PCE or "perc." (F001)}
 1,2 Dichloroethylene

Quantity:

unknown
 unknown
 unknown

Analytical Data Available for:	Groundwater Soil Sediment
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	Depth to
Soil/Rock Type: Sand and gravel.	Groundwater: Range: 90 to 100 feet.
Legal Action: Type: State Consent Order -RI/FS	Status: Order Signed
Remedial Action: In Progress	Nature of action: Soil and groundwater remediation.

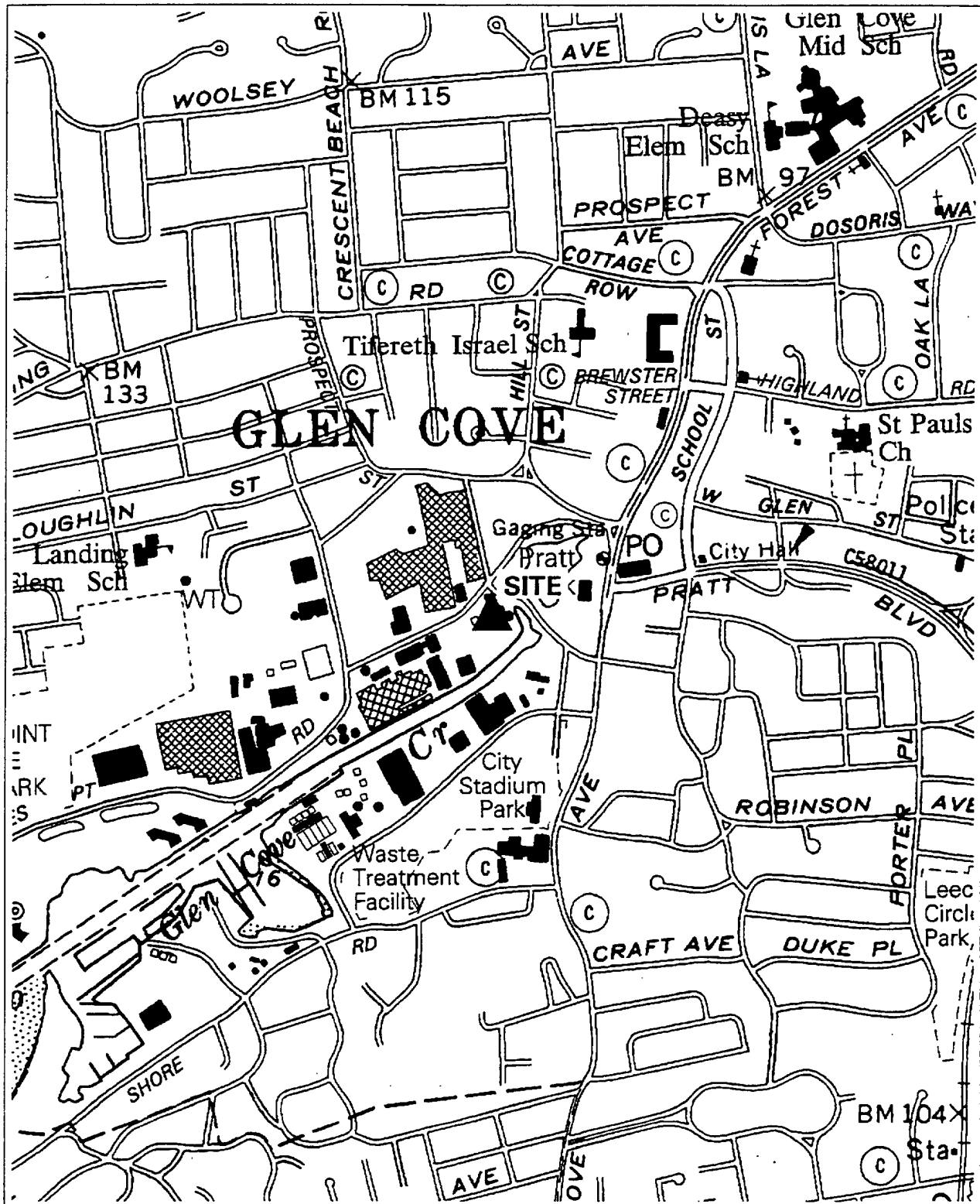
Assessment of Environmental Problems:

Contravention of groundwater standards has been confirmed. A sole source aquifer is being threatened.

Assessment of Health Problems:

Groundwater is contaminated with solvents in excess of New York State standards for public drinking water supplies. Public drinking water supply wells near the site contain volatile organic compounds above drinking water standards. Treatment systems have been installed on these wells to ensure that water distributed to consumers complies with drinking water standards. The current on-site system to pump and treat groundwater and the excavation of on-site contaminated soils should prevent further migration of contaminants off-site. The site is completely fenced and secured from trespass.

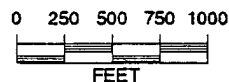
SYL00115283



Site Location Map

130046 Li Tungsten

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Nassau

SYL00115284

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Li Tungsten			Site Code: 130046
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD986882660
Address: 63 Herhill Road / Glen Cove, NY 11542			
Latitude: 40° 51' 44"		Longitude: 73° 38' 12"	Site is on the EPA - National Priorities List.
Site Type: Structure Lagoon		Estimated Size: 20 Acres	

Site Owner / Operator Information:	
Current Owner(s) Name:	*** Multiple Site Owners ***
Current Owner(s) Address:	
Owner(s) during disposal:	Li Tungsten Corporation
Operator(s) during disposal:	Li Tungsten Corporation
Stated Operator(s) Address:	63 Herhill Road / Glen Cove, NY 11542
Hazardous Waste Disposal Period:	From: 1940 To: 1986

Site Description:

This site is a former industrial facility. During operations at the facility, raw ore, scrap materials processing and smelting operations were conducted to produce tungsten. A site investigation report was prepared for this site by RTP Environmental Associates, Inc. Lead, cadmium and arsenic were found in groundwater at higher concentrations than NYS standards. Sludge samples collected from a sump and a drainage area showed high concentrations of lead (11,600 ppm), zinc (1010 ppm), nickel (4000 ppm) and copper (1800 ppm). Samples from waste piles on the site showed high concentrations of lead and chromium. Containerized waste on this site contains high concentrations of lead, cadmium, chromium, and barium. High concentrations of VOCs like tetrachloroethane (18,000 ppb), 1,1-dichloroethene (2000 ppb) and 1,2-dichloroethene (2100 ppb) were detected in groundwater. A lagoon and two small holes were identified as having received process water from the facility. The lagoon's liner has been perforated by vegetation growing through it. Twenty-three transformers on the site are believed to contain PCB contaminated oils. A soil sample has shown PCB contamination. A sample collected from approximately 30 open head drums showed PCB contamination up to 530 ppm. Buried drums and piles of solid residues were observed on Parcel III of the site. Low levels of radioactive waste also have been confirmed. This is a National Priorities List (NPL) site. An Interim Remedial Measure (IRM) was completed in January 1996. The IRM consisted of making the site safe to conduct a Remedial Investigation/Feasibility Study (RI/FS) and to remove radioactive ores and wastes. A RI/FS was completed in 1999. EPA has conducted remedial action on parcel A. The site's PRPs have entered into an agreement to complete remedial action on parcels B and C. Remedial design work is anticipated to be completed in the spring of 2002 with the remedial action beginning in the summer of 2002.

Confirmed Hazardous Waste Disposal:

Arsenic, Lead, Chromium, Cadmium, PCBs,
Nickel, Copper, Zinc, Volatile Organics
(DOO4) (DOO6) (DOO7) (DOO8) (BOO7)

Quantity:

unknown
unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Sand, silt and clay.		Groundwater: Range: 5 to 10 feet.

Legal Action: Type:	Status:
Remedial Action: Complete	Nature of action: IRM-Removal of radioactive ores and wastes.

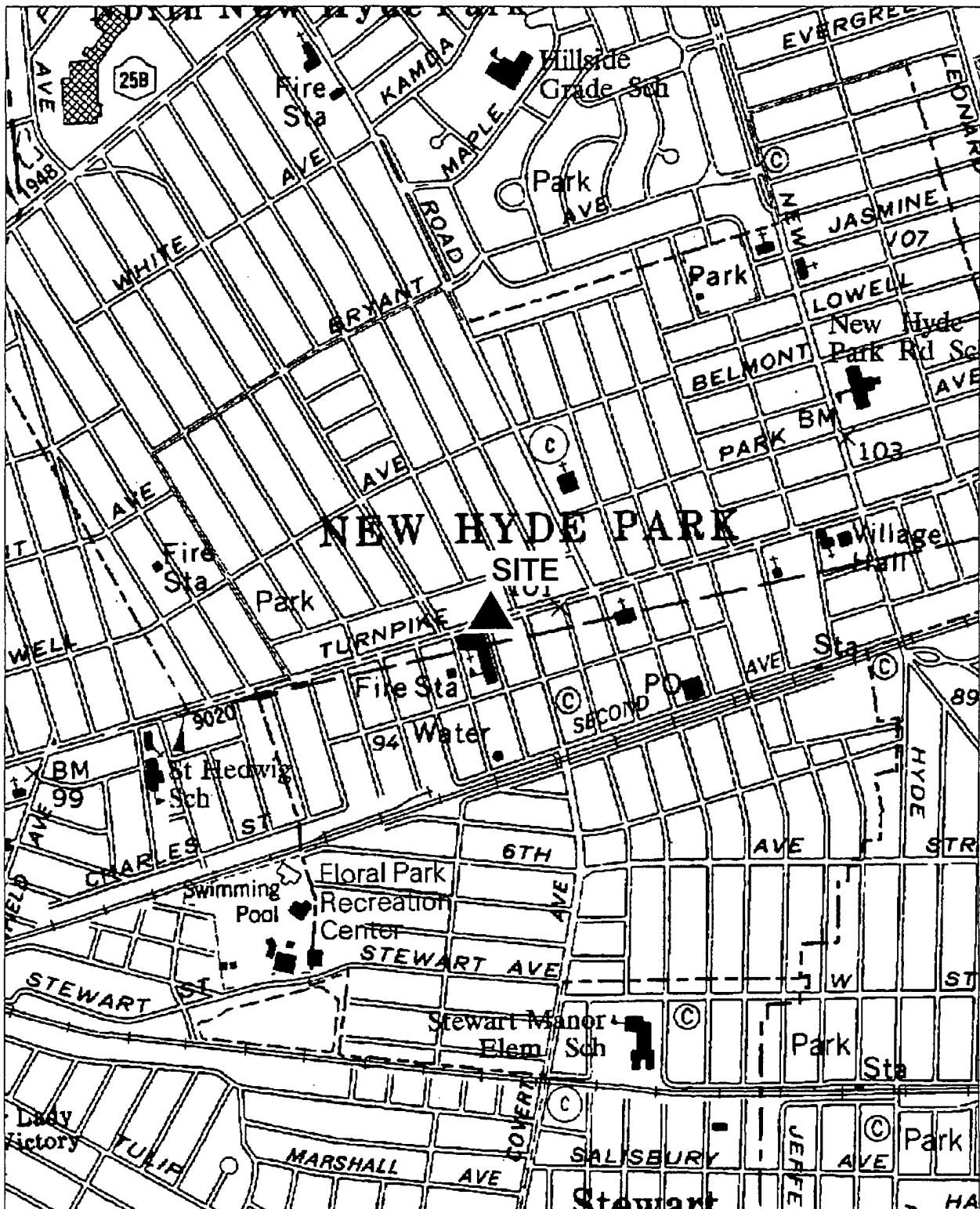
Assessment of Environmental Problems:

Soil and groundwater contamination are evident at this site.

Assessment of Health Problems:

On-site groundwater is contaminated with volatile organic compounds and metals, but exposures are not expected because public water which is routinely monitored serves the area. Soil on Parcels B and C of the site is contaminated with heavy metals and radioactive materials. These areas are fenced and contaminant removal will begin in 2002. Parcel A of the property has been remediated. Radiologically-contaminated dredge spoils from Glen Cove Creek are stockpiled on Parcel A in a secure area. Additional sediments will be dredged and disposed of. Testing at nearby beaches did not detect radiological contamination.

SYL00115285



Site Location Map

130047 Manfred F J Schulte

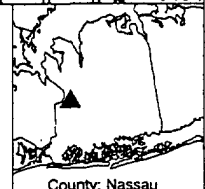
Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



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Scale: 1:12,000

April 1, 2002



County: Nassau

SYL00115286

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Manfred F J Schulte			Site Code: 130047
Class Code: 2	Region: 1	County: Nassau	EPA Id:
Address: 405 Jericho Turnpike / New Hyde Park, NY 11040			
Latitude: 40° 43' 55"		Longitude: 73° 41' 20"	
Site Type: Structure		Estimated Size: 0.3 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **Manfred F J Schulte**
 Current Owner(s) Address: **6 High Pine / Glen Cove, NY 11542**
 Owner(s) during disposal: **unknown**
 Operator(s) during disposal: **Manfred F J Schulte**
 Stated Operator(s) Address: **6 High Pine / Glen Cove, NY 11542**
 Hazardous Waste Disposal Period: **From: unknown To: unknown**

Site Description:

This property houses a single two story building, which contains two commercial facilities on the first floor and two residential apartments on the 2nd. floor. The two commercial facilities are a dry cleaning firm at 405 Jericho Turnpike and a hair salon located at 407 Jericho Turnpike. The dry cleaning firm was purchased by Manfred F.J. Schulte in 1971, but it is not known how long this site was in operation. In addition to performing dry cleaning, dry cleaning fluid was stored on site in steel tanks in the basement of the facility for repackaging and resale to other dry cleaning establishments. The on-site monitoring wells were found to be contaminated with tetrachloroethylene in concentrations as high as 45,000 ppb in the groundwater. These concentrations violate the New York State Part 703 groundwater quality standards and guidance values of 5 ppb for trichloroethylene. The on-site drywell was found to be contaminated with tetrachloroethylene, with concentrations as high as 1500 ppm in the soil. Testing in 1986 found other groundwater contaminants including methylene chloride, 1,2-dichloroethylene and trichloroethylene. The owners excavated and removed the contaminated soil/sediment from the drywell for off-site disposal in 1986. Sampling of the groundwater from three on-site monitoring wells and soils in the drywell, in April 1994, showed a maximum concentration of 77 ppb of PCE in MW-2 and a maximum concentration of 45 ppb in soil/sediment left in the drywell. The site was referred to the State Superfund in March 1997. A Remedial Investigation was completed in October 1999, and indicated only low level residual contamination remains on and off site. A no further action ROD was signed in March 2000.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene {(PCE or "perc.") (FOO1)}
 Methylene Chloride
 1,2-Dichloroethylene

Quantity:

unknown
 unknown
 unknown

Analytical Data Available for:	Groundwater	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater		
Geotechnical Information:		Depth to	
Soil/Rock Type: Sand and gravel.		Groundwater: Range: 55 to 60 feet.	

Legal Action: Type:	Status:
Remedial Action: Complete	Nature of action: IRM-Soil and sediment removal.

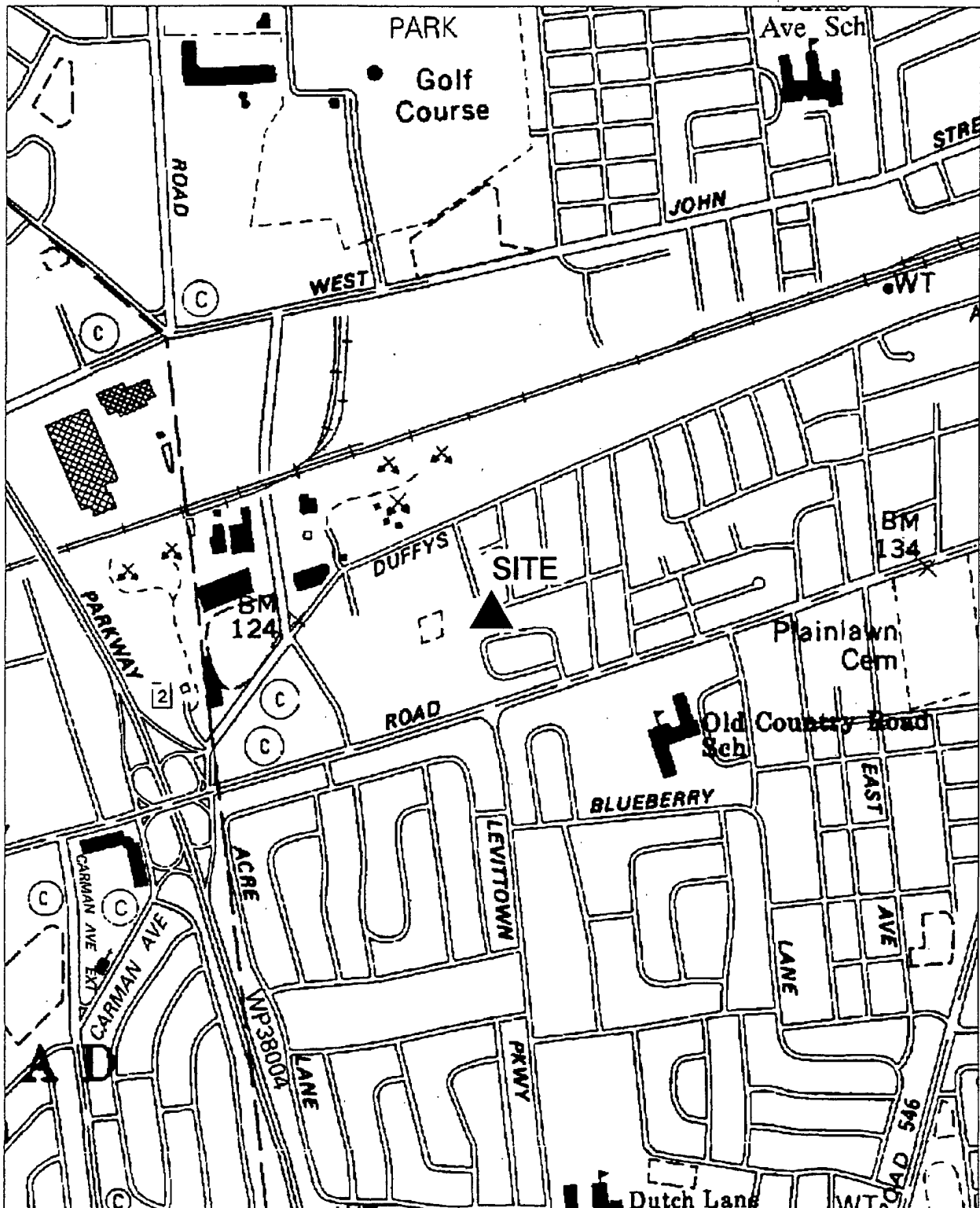
Assessment of Environmental Problems:

Only low levels of contamination remain in on-site and off-site groundwater after an interim remedial measure in the late 1980s.

Assessment of Health Problems:

All residences and businesses in the area are served by public drinking water. Nearby public drinking water supply wells are currently being treated to remove volatile organic compounds. In December 1999, the Nassau County Health Department collected indoor air samples in businesses and private residences adjacent to the site, both of which contained elevated levels of tetrachloroethene attributable to active dry cleaning operations. The dry-cleaning equipment responsible for this contamination was replaced with a different system, eliminating the use of tetrachloroethene, and the potential for exposure. Contaminated soils and sediments were removed from the site and remaining contaminants in soil no longer exceed cleanup guidelines.

SYL00115287



Site Location Map

130048 Bowe Systems and Machinery

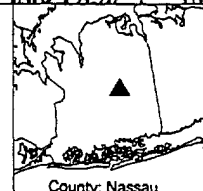
Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000

April 1, 2002



County: Nassau

SYL00115288

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Bowe Systems and Machinery			Site Code: 130048
Class Code: 4	Region: 1	County: Nassau	EPA Id:
Address: 200 Frank Road / Hicksville, NY 11801			
Latitude: 40° 45' 36"		Longitude: 73° 32' 34"	
Site Type: Lagoon		Estimated Size: 1 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Bowe Property Holding Corporation
Current Owner(s) Address: 200 Frank Road / Hicksville, NY 11801
Owner(s) during disposal: Bowe Property Holding Corporation
Operator(s) during disposal: Bowe Systems and Machinery
Stated Operator(s) Address: 200 Frank Road / Hicksville, NY 11801
Hazardous Waste Disposal Period: From: 02/1991 To: 02/1991

Site Description:

Commercial dry cleaning machinery was assembled and tested on site prior to its sale and distribution. On February 22, 1991 a spill of tetrachloroethylene (PCE) into the on-site leaching pool system occurred and was reported to the Bureau of Spill Prevention and Response. Under the Division of Environmental Remediation oversight, an Interim Remedial Measure (IRM) was undertaken to remove 450 tons of PCE contaminated soil from the leaching pool system. A Remedial Investigation/Feasibility Study (RI/FS) report was completed in November 1998. A Record of Decision (ROD) was issued in March 1999 and calls for "No Further Action" with continued groundwater monitoring. Groundwater samples are being collected from seven on-site and one off-site well on a quarterly basis for a minimum of three years and are being analyzed for volatile organic compounds. Contaminant levels continue to decrease. Samples acquired in December 2001, revealed contaminant levels below the Standards, Criteria, and Guidance (SCGs) levels.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene {(PCE or "perc.") (U210)}

Quantity:

unknown

Analytical Data Available for:	Groundwater	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater	Drinking Water	
Geotechnical Information:		Depth to	
Soil/Rock Type: Sand.		Groundwater: Range: 50 to 55 feet.	
Legal Action: Type: State Consent Order -RI/FS		Status: Order Signed	
Remedial Action: Complete		Nature of action: IRM-Soil removal.	

Assessment of Environmental Problems:

On-site soil and groundwater has been contaminated. Source remediation has been completed. Per the ROD, groundwater sampling is being conducted on a quarterly basis.

Assessment of Health Problems:

The potential for exposure to site related contamination in soil has been significantly reduced since all areas of identified soil contamination have been excavated and removed off-site. Residual soil contamination is subsurface, and the majority of the site is either paved or covered by the facility building, thus limiting the possibility of contact with soil. Exposure to site-related contaminants in groundwater is not expected since homes and businesses near the site are connected to public water.

SYL00115289

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: American Drive-In Cleaners	Site Code: 130049
Class Code: 2 Region: 1 County: Nassau	EPA Id:
Address: 3801 Hempstead Turnpike / Levittown, NY 11552	
Latitude: 40° 43' 34" Longitude: 73° 29' 43"	
Site Type: Lagoons	Estimated Size: 0.3 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Kasper Trust
Current Owner(s) Address: 8925 Charleston Park / Orlando, FL 32801
Owner(s) during disposal: Parviz Nezami
Operator(s) during disposal: Parviz Nezami
Stated Operator(s) Address: 3801 Hempstead Turnpike / Levittown, NY 11552
Hazardous Waste Disposal Period: From: early 1950 To: unknown

Site Description:

This site is located one mile west of NY Route 135 in Levittown. It is a small lot in a commercial area and is used for a dry cleaning operation. The majority of the site is covered by a building. The company used tetrachloroethylene (F002) in the dry cleaning process. A soil gas survey conducted behind the building found high volatile organic contaminant levels. A soil sample from that area was sent to the laboratory for analysis and was found to contain tetrachloroethylene at a level of 1500 ppm. Two downgradient groundwater monitoring wells were found to be contaminated with tetrachloroethylene at levels up to 274 ppb. Investigations conducted to date have been performed by the Nassau County Department of Public Works and the Nassau County Health Department. The site was referred to the State Superfund in March 1997 for a Remedial Investigation/Feasibility Study (RI/FS). Field investigations in 1998 revealed a source area in leaching pools near the building. Downgradient groundwater contamination concentrations were found to have changed little since the wells were last sampled in 1992. Additional off-site wells were installed and an IRM leaching pool cleanout was conducted in 1999. The site was divided into two operable units (OUs) in January 2001. OU-1 is the on-site portion of the site and OU-2 consists of the off-site groundwater plume. A ROD for OU-1 was completed in March 2001. The ROD calls for in-situ oxidation with groundwater pump and treat. A ROD for OU-2 is planned for the spring of 2002.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene {(PCE or "perc.") (F002)}

Quantity:

unknown

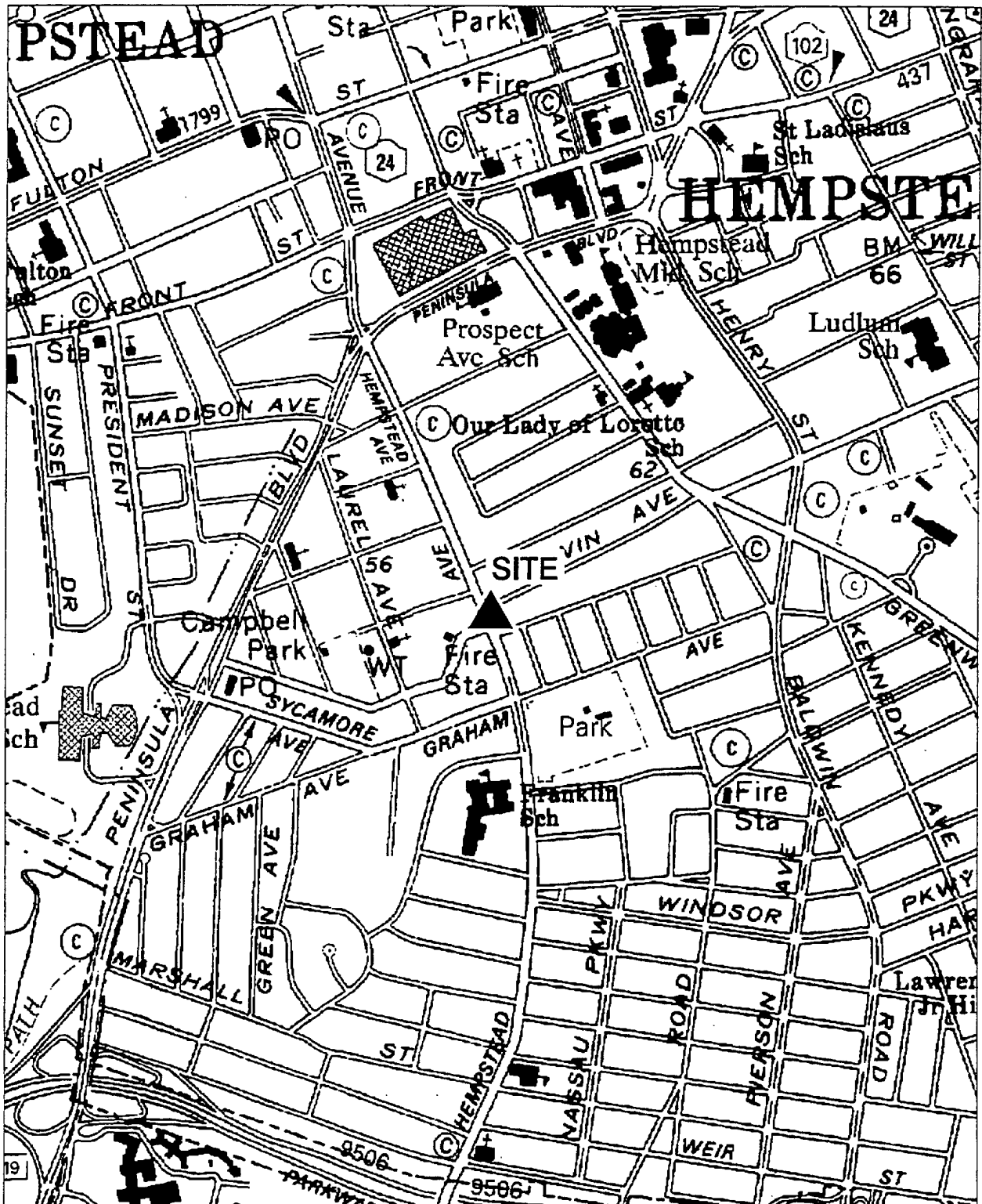
Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:		Depth to
Soil/Rock Type: Sand.		Groundwater: Range: 25 to 30 feet.
Legal Action: Type:		Status:
Remedial Action: Complete		Nature of action: IRM-Clean-out of leaching pool.

Assessment of Environmental Problems:

Groundwater downgradient of the site is contaminated with tetrachloroethylene. The site is also located over a sole source aquifer.

Assessment of Health Problems:

Indoor air in buildings at and adjacent to the site contained tetrachloroethene at levels that exceed the New York State Department of Health Guideline for Tetrachloroethene in Indoor Air. An emergency removal action, consisting of a soil vapor extraction system, was installed to minimize the impact on indoor air quality. On-site soils are contaminated with volatile organic compounds. However, the majority of the site is paved, making direct contact with the soils unlikely. Groundwater is similarly contaminated at levels above drinking water standards. However, the area is served by public water. A private well survey completed in 1998 did not identify any nearby private water supply wells. Data from an irrigation well at a nearby school shows levels of tetrachloroethene too low to be of health concern at this time. A remedy consisting of an additional soil vapor extraction system to remediate soils, groundwater extraction wells and chemical oxidation in the source area are proposed to remediate the site.



Site Location Map

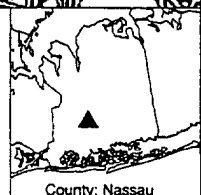
130050 Franklin Cleaners

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Nassau

SYL00115292

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Franklin Cleaners			Site Code: 130050
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD982183550
Address: 206-208 B - South Franklin Street / Hempstead, NY 11550			
Latitude: 40° 41' 55"		Longitude: 73° 37' 22"	
Site Type: Structure		Estimated Size: 0.124 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **Incoronata Perna**
 Current Owner(s) Address: **867 Taft Street / West Hempstead, NY 11552**
 Owner(s) during disposal: **Incoronata Perna**
 Operator(s) during disposal: **Franklin Cleaners/Grace Cleaners**
 Stated Operator(s) Address: **206-208 B - South Franklin Street / Hempstead, NY 11550**
 Hazardous Waste Disposal Period: **From: 1980 To: 1991**

Site Description:

The current location of Franklin cleaners has operated as a dry cleaning establishment since 1957 or prior to this date. The name was changed to Grace Cleaners in 1990. The owner has reported the occurrence of leaks and spills from the machines and equipment. The dry cleaning operation was replaced by a retail clothing store in 1991. In 1990, the Nassau County Department of Health collected water samples from a nearby private drinking water well and an irrigation well, both located at 6 Linden Avenue, Hempstead. Both wells are hydraulically downgradient of the former dry cleaners. The laboratory analysis revealed PCE at 5,500 ppb and 29,000 ppb respectively. In April of 1990, surface soil samples taken from the suspected upgradient source revealed PCE at levels as high as 650,000 ppb. A PSA for the site was completed in March of 1993. This contamination is being released to the underlying sole-source aquifer. The site was referred to the State Superfund Program for a RI/FS Study on November 6, 1995. A final RI/FS Workplan was issued in November 1996 and fieldwork began in December 1996 and was completed in April 1997. A contaminant plume extends nearly one mile downgradient of the site with total VOC levels of up to 3 ppm. Significant upgradient contamination has also been identified and appears to be related to one or more dry cleaning establishments. On-site soils and indoor air are also impacted. A ROD was signed on March 30, 1998. The selected remedy consists of SVE treatment of the contaminated soils under the former dry cleaning building, and off-site groundwater extraction and treatment at the leading edge of the groundwater plume. The remedial design of the remedy began in July 1999. Pre-design field work was done in the fall of 1999. The design of the SVE treatment system was completed in May 2000 and the remedial construction was publicly bid in August 2000. The design of the downgradient groundwater treatment system was completed in February 2001 and was bid in March 2001.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene ((PCE or "perc.") F002)

Quantity:

unknown

Analytical Data Available for:	Groundwater Soil
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	
Soil/Rock Type: Sand and gravel.	Depth to Groundwater: Range: 20 to 25 feet.
Legal Action: Type:	Status:
Remedial Action:	Nature of action: SVE + off-site groundwater pump and treat.

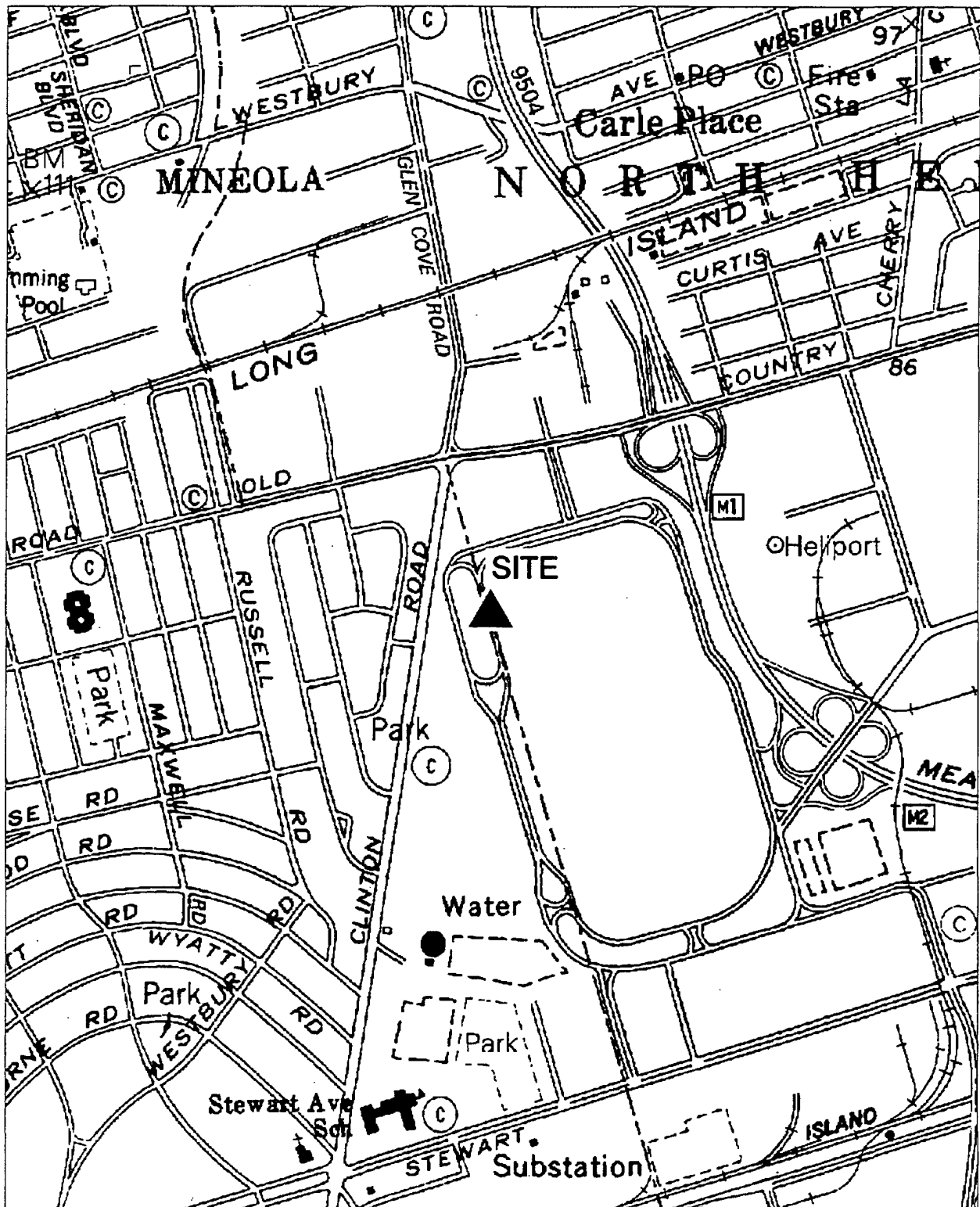
Assessment of Environmental Problems:

Tetrachloroethylene (PCE), trichloroethylene (TCE), & cis-1,2-dichloroethylene contaminated soil in the rear alley & basement of the Franklin Cleaners property have not been removed. These contaminants were also found in the groundwater.

Assessment of Health Problems:

Private drinking water wells previously contaminated with tetrachloroethene (PCE) are not used; public water has been extended to the affected residences. The groundwater contaminant plume will be intercepted with extraction wells and remediated to ensure that contamination does not impact three downgradient public water supply wells. NYSDEC recently constructed a deep irrigation well for a local college, eliminating potential exposures associated with a shallower, contaminated irrigation well. Indoor air contamination with PCE at concentrations above NYSDOH guidelines has been documented in the building on-site and the neighboring commercial building. NYSDEC has installed high-volume carbon filter units to reduce contamination in these buildings. A proposed soil vapor extraction system will permanently address the issue of indoor air contamination.

SYL00115293



Site Location Map

130051 Old Roosevelt Air Field Hangar Site

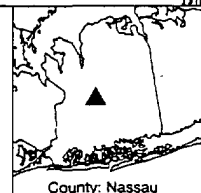
Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000

April 1, 2002



SYL00115294

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Old Roosevelt Air Field Hangar Site			Site Code: 130051
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYSFN0204234
Address: Clinton Road / Garden City, NY 11530			
Latitude: 40° 44' 24"		Longitude: 73° 36' 57"	Site is on the EPA - National Priorities List.
Site Type: Lagoons		Estimated Size: 36 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: *** Multiple Site Owners ***
Current Owner(s) Address:
Owner(s) during disposal: unknown
Operator(s) during disposal: unknown
Stated Operator(s) Address:
Hazardous Waste Disposal Period: From: 1924 To: 1995

Site Description:

The site includes Tax Map parcels described as Section 44, Block 77, lots 13A, 14 and 15 along Clinton Road, near where it intersects with Old Country Road, in the Northwest Corner of what was the old Roosevelt Air Field and west of Ring Road. A Nassau County/U.S. Geological Survey investigation into chlorinated volatile organic compounds in groundwater revealed high levels of trichloroethylene; 1,2-dichloroethylene and tetrachloroethylene in wells in the upper glacial and Magothy aquifers. A plume has been traced back to an area that was once aircraft maintenance hangars for Roosevelt Field, a commercial airfield from about 1924 to 1951. Four public water supply wells and seven cooling water wells tap the Magothy aquifer, on or near the old airfield. Contaminated water from the cooling water wells has been discharged to a recharge basin and a drain field, causing secondary plumes atop the initial plume. Varying rates of pumping and discharging complicate the groundwater flow patterns. In 1984, when data was collected by the USGS, a contaminant plume in the upper glacial aquifer extended in excess of a mile south-southwest of the source. The U.S. Department of Defense has conducted a PRP search. In February 2000, the Old Roosevelt Field Contaminated Groundwater Area was proposed by EPA for inclusion on the National Priorities List and it has been accepted. A RI/FS work plan has been prepared with field work expected to start during the summer of 2002.

Confirmed Hazardous Waste Disposal:

Trichloroethylene ((TCE) (FOO1 waste))
 Cis-1,2-dichloroethylene
 Tetrachloroethylene (PCE or "perc.")

Quantity:

unknown
 unknown
 unknown

Analytical Data Available for:	Groundwater
Applicable Standards Exceeded in:	Groundwater Drinking Water
Geotechnical Information:	
Soil/Rock Type: Sand and gravel.	Depth to Groundwater: Range: 25 to 50 feet.
Legal Action: Type:	Status:
Remedial Action:	Nature of action:

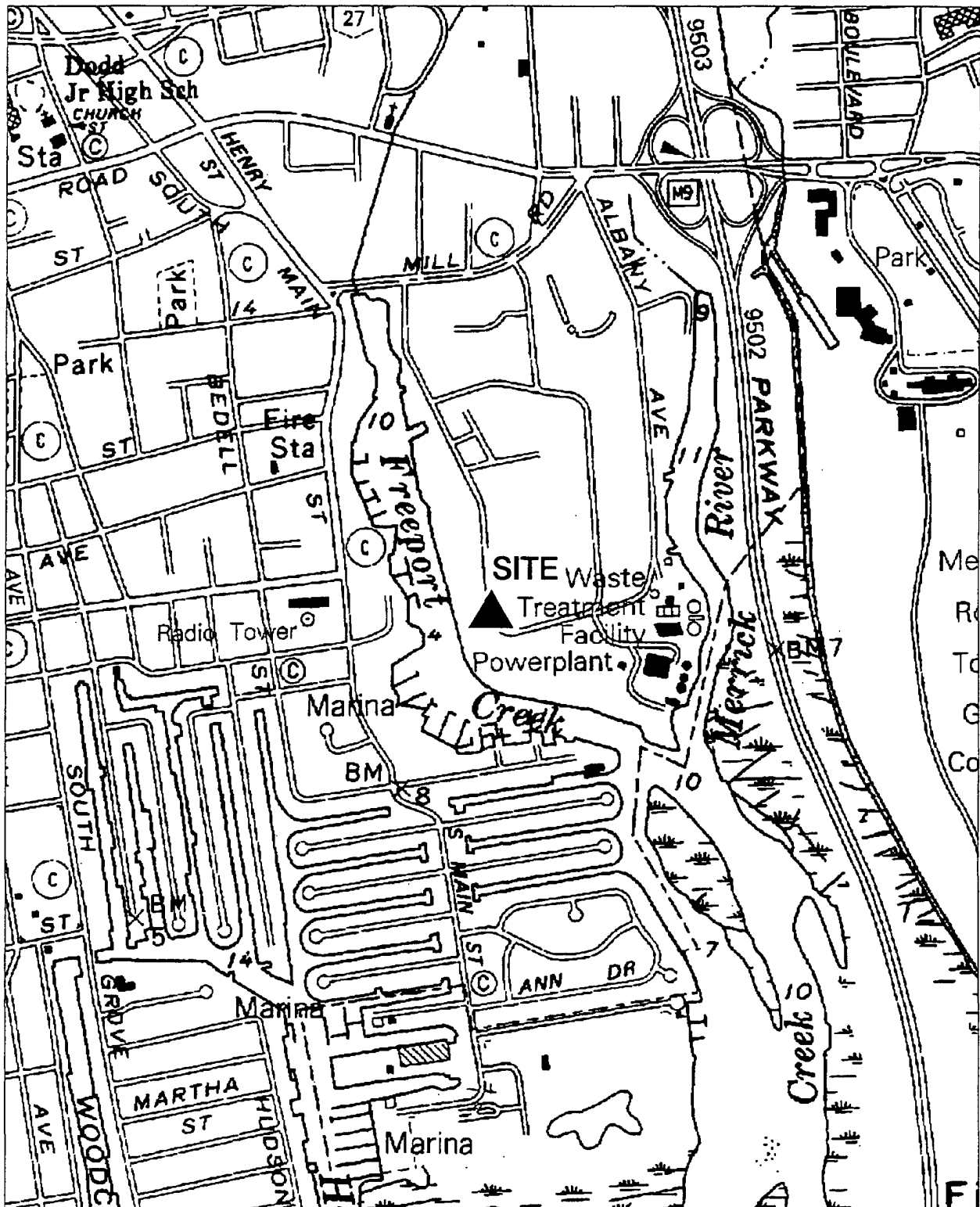
Assessment of Environmental Problems:

Groundwater contamination has impacted public supply wells and commercial/industrial cooling water wells.

Assessment of Health Problems:

Area groundwater is contaminated with volatile organic solvents in excess of New York State drinking water standards. The area in the vicinity of the site is served by public water. Residents in the Town of Hempstead Roosevelt Field and the Village of Garden City Water Districts were exposed to water contaminated with Volatile Organic Compounds in the past through ingestion, dermal contact, and inhalation, such as when showering. The Town of Hempstead contaminated public water supply wells were all taken out of service by 1991. The contaminated water from supply wells in the Garden City Water District are treated. The depth of the contamination in the aquifer limits the formation of vapors that would impact residential or commercial buildings in the area.

SYL00115295



Site Location Map

130052 Columbia Cement Company, Inc

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002

County: Nassau

SYL00115296

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Columbia Cement Company, Inc.	Site Code: 130052		
Class Code: 2	Region: 1	County: Nassau	EPA Id:
Address: 159 Hansen Avenue / Freeport, NY 11520			
Latitude: 40° 38' 45" Longitude: 73° 34' 19"			
Site Type: Lagoon		Estimated Size: 2 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: TACC International
Current Owner(s) Address: Air Station Industrial Park / Rockland, MA 02370
Owner(s) during disposal: Columbia Cement Company, Inc.
Operator(s) during disposal: Columbia Cement Company, Inc.
Stated Operator(s) Address: 159 Hansen Avenue / Freeport, NY 11520
Hazardous Waste Disposal Period: From: 04/28/88 To: unknown

Site Description:

On April 28, 1988 a tank truck was delivering 3,500 gallons of 1,1,1-trichloroethane (TCA) to an above ground tank in the building on the Columbia Cement site. The truck became overpressurized, causing the tank end to buckle, resulting in the loss of the entire load. Approximately 1,740 gallons of the spilled material was recovered, with the remaining 1,760 gallons of spilled material entering into a leaching basin in the parking lot. An undetermined amount of spilled material also entered into the drainage system which leads to Freeport Creek. Emergency response to the incident was provided by the NYSDEC Region 1 Spill Response Unit. Emergency cleanup of the spill was provided by a contractor and included the removal of liquid material from the storm drainage system; solids, semi-solids, and liquids from the affected leaching basin; and the drilling of three soil borings, including split spoon sampling; and the installation of one observation well. Split samples taken from two of the borings revealed TCA at concentrations ranging from 66 ppm to 42,649 ppm. Analytical results from the May 1989 sampling of the well (installed during the emergency response) showed levels of TCA at 5,800 ppb. A split sample taken by DEC from the same well contained 200,000 ppb of 1,1,1 trichloroethane. A consultant drilled another four borings on September 8, 1989, and split spoon samples revealed the presence of the spill material, TCA, at concentrations ranging from 33 ppb to 3,614 ppb. According to the Nassau County Department of Health, the drainage system which discharges to Freeport Creek was purged until sampling results showed TCA below 50 ppb. A Focused Subsurface Investigation was conducted and a report dated July 1997 was submitted to the NYSDEC. The work performed during the subsurface investigation was conducted without approval of the NYSDEC. Burmah Castrol, Inc. has signed a Consent Order with the NYSDEC for the development and implementation of a remedial program for the site. The draft Remedial Investigation (RI) report is under review.

Confirmed Hazardous Waste Disposal:

1,1,1-Trichloroethane (TCA)

Quantity:

approx. 1760 gallons

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		
Soil/Rock Type:		Depth to Groundwater:
Legal Action: Type: State CO - RI/FS, RD/RA		Status: Order Signed
Remedial Action:	Nature of action:	

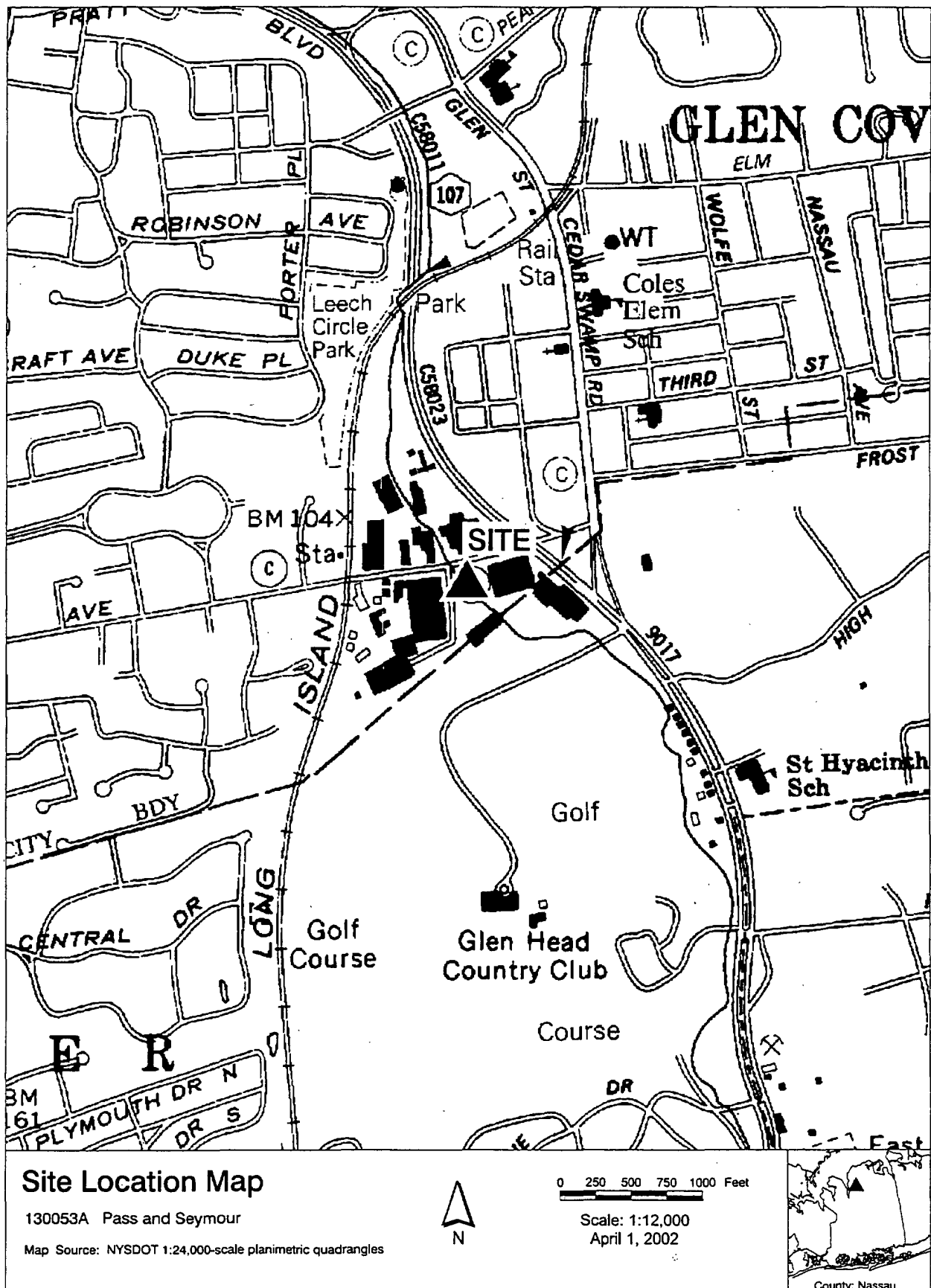
Assessment of Environmental Problems:

Soil contamination exists on site along with contravention of groundwater standards by 1,1,1-trichloroethane.

Assessment of Health Problems:

This industrial property is only partially fenced, but exposure to surface contamination is not expected since the spill area is paved and any surface spill residue most likely has volatilized since the 1988 incident. Direct contact and/or inhalation exposures could result from excavation activities beneath the site, however, upcoming remedial activities are expected to address this concern. Ingestion of contaminated groundwater is not expected since drinking water is provided by the municipality and this area is not used as a drinking water source.

SYL00115297



SYL00115298

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Pass and Seymour	Site Code: 130053A
Class Code: 2 Region: 1 County: Nassau	EPA Id:
Address: 45 Sea Cliff Avenue / Glen Cove, NY 11542	
Latitude: 40° 51' 5" Longitude: 73° 37' 21"	
Site Type: Structure	Estimated Size: 7.96 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Alpha Forty Five, LLC
Current Owner(s) Address: 31 Sea Cliff Avenue / Glen Cove, NY 11542
Owner(s) during disposal: Slater Electric/Enal Development Corp.
Operator(s) during disposal: Slater Development Corp. - Pass and Seymour
Stated Operator(s) Address: 45 Sea Cliff Avenue / Glen Cove, NY 11542
Hazardous Waste Disposal Period: From: 1959 To: present

Site Description:

The Pass and Seymour property is located in the Sea Cliff Avenue Industrial Area. It was constructed in 1959 and used as an industrial facility by Slater Electric. Additions to the building were made in 1981. During 1988, Pass and Seymour, Legrande began operations at the premises, which is currently owned by Enal Development Corporation. Pass and Seymour produces electric components using an injection molding process. There are indoor and outdoor drum storage areas. The manufacturing process includes a degreasing operation which uses tetrachloroethylene (PCE) as the solvent. The solvent is stored in two tanks located outside of the building. A Preliminary Site Assessment (PSA), completed in 1994, used existing data from previous investigations. The PSA showed that PCE was found in the soil beneath the site, indicating past disposal of this compound on the property. PCE was also found in the groundwater under the site, at concentrations well above the applicable NYS Part 703 Class GA standard. This contamination is evidently originating at the Sea Cliff Avenue property, and because of the levels found, it is presenting a significant threat to the environment. Specifically, in 1977, the Carney Street Public Supply Wells were no longer able to be used as a source of potable water. Contamination from this site probably contributed to the levels of volatile organic compounds (VOCs) which caused the restricted usage of the wells. A site investigation was carried out in January 1997. Based on the results of this investigation, a Remedial Investigation/Interim Remedial Measure (RI/IRM) workplan was finalized in March 1997 and was conducted in 1998. Additional data collection to refine the remedial design and a pilot test for an AS/SVE IRM were done in 1999. The AS/SVE system was constructed in the summer of 2000 and is currently running satisfactorily, however, groundwater sampling results from January 2001 still show unacceptable levels of contamination in downgradient groundwater.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene (FOO1)

Quantity:

unknown

Analytical Data Available for:	Groundwater Soil
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	Depth to
Soil/Rock Type: Sand and gravel.	Groundwater: Range: 5 to 10 feet.
Legal Action: Type: State Consent Order	Status: Order Signed
Remedial Action: In Progress	Nature of action: IRM-Soil vapor extraction system.

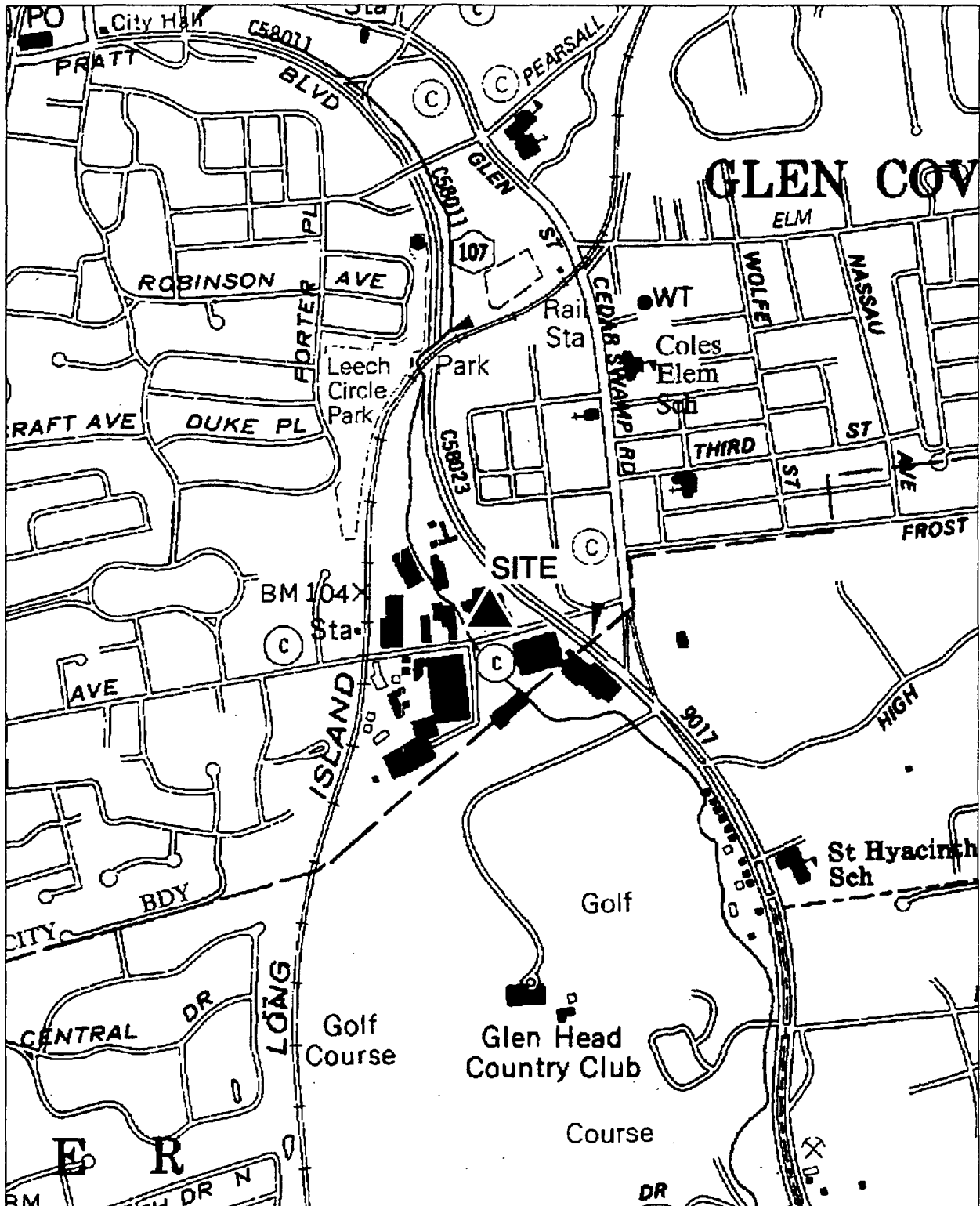
Assessment of Environmental Problems:

Mishandling, incidental spillage or improper disposal of hazardous wastes relative to the various activities at this site have resulted in contamination of the local groundwater and may have contributed to impacts on a nearby public water supply well.

Assessment of Health Problems:

Soil and groundwater are contaminated with volatile organics, primarily tetrachloroethene. Exposure to contaminated soil is not expected as site access is restricted. Exposure to contaminated groundwater is not expected because the area is served by public water. Three public water supply wells at the Carney Street Wellfield were closed in 1977 due to an impact from a contaminant plume. The groundwater contamination could affect other area public supply wells; however, water quality of the public water supply is monitored on a regular basis to safeguard the drinking water supply.

SYL00115299



Site Location Map

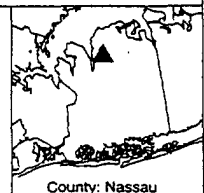
130053B Pall Corporation

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



SYL00115300

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Pall Corporation	Site Code: 130053B		
Class Code: 2	Region: 1	County: Nassau	EPA Id:
Address: 30-36 Sea Cliff Avenue / Glen Cove, NY 11542			
Latitude: 40° 51' 9"		Longitude: 73° 37' 21"	
Site Type: Structure		Estimated Size: 4.66 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: *** Multiple Site Owners ***
Current Owner(s) Address:
Owner(s) during disposal: Pall Corporation
Operator(s) during disposal: Pall Corporation
Stated Operator(s) Address: 30-36 Sea Cliff Avenue / Glen Cove, NY 11542
Hazardous Waste Disposal Period: From: 1948 To: 1971

Site Description:

The Pall Corporation site is located in the Sea Cliff Avenue Industrial Area and includes both the Pall Corporation and August Thomsen facilities. Pall, which manufactures filtration products, was founded in 1946 and moved to 30 Sea Cliff Avenue some years later. August Thomsen is located north of Pall Corporation, at 36 Sea Cliff Avenue, and this property was a research and development facility for Pall's Aerospace Division until 1971. August Thomsen is currently involved in the manufacture of pastry bags and tubes. Pall Corporation stored solvents on both of these properties in the past. Spent solvents were released to the ground. This is confirmed by the presence of volatile organic compounds such as tetrachloroethene and trichloroethene in the soil. These solvents were also found in the groundwater at levels much higher than would be produced by any potential upgradient source. These compounds in particular, were likely mismanaged, spilled or disposed of at the site. Some of the data is from a 1994 Preliminary Site Assessment, which is largely a compendium of previous investigations, and an interpretation of those results. Additional investigations were conducted by the owner prior to submitting a delist petition. As part of the Focused Remedial Investigation (FRI), fieldwork began on February 17, 1998 and concluded on March 9, 1998. Further investigation was performed due to elevated levels of VOCs in the groundwater (140,000 ppb PCE, 1500 ppb TCE, and 10,000 ppb 1-2 DCE). The PRP signed a Consent Order to complete a Remedial Investigation/Feasibility Study (RI/FS) Phase II investigation. Thirty six monitoring wells were sampled at the site during the Phase II RI in April 1999, January 2000 and December 2000. VOC contamination (maximum 4,250 ppb total VOCs) was detected in several on-site wells and included PCE, TCE, DCE and Freon. VOC contamination was also detected in groundwater downgradient (north-northwest) of the site. A SVE system was installed to remediate soil contamination at the site. A FS and pilot test work plan were approved in 2001 for remediation of groundwater using in-situ chemical oxidation.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene (FOO1)

Trichloroethylene (F001)

Quantity:

unknown

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		
Soil/Rock Type: Sand and gravel.	Depth to Groundwater:	Range: 5 to 10 feet.

Legal Action: Type: State Consent Order	Status: Order Signed
Remedial Action: In Progress	Nature of action: IRM-Soil vapor extraction system.

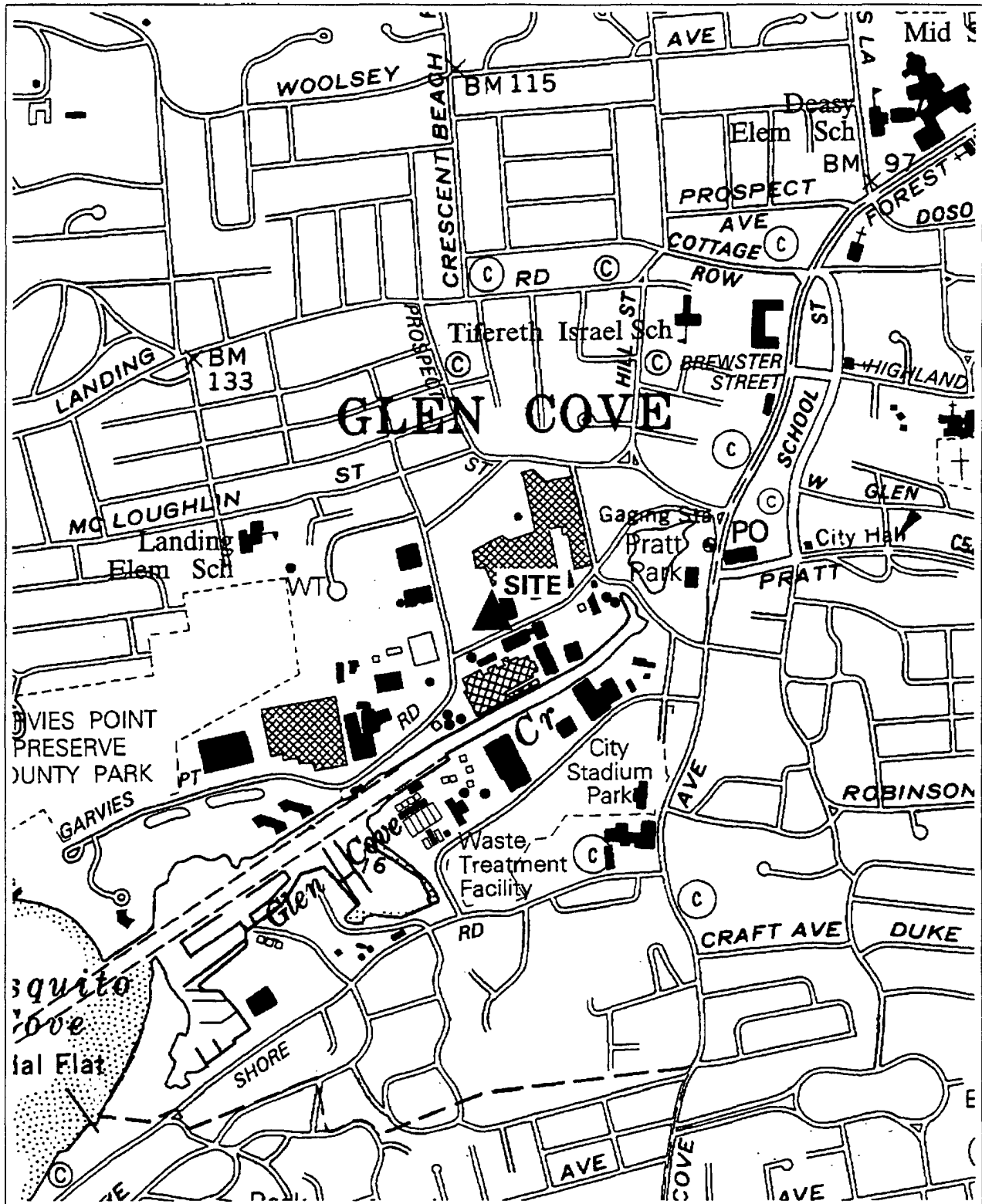
Assessment of Environmental Problems:

Mishandling, incidental spillage or improper disposal of hazardous wastes relative to the various activities at this site have resulted in contamination of the local groundwater.

Assessment of Health Problems:

Soil and groundwater are contaminated with volatile organics. Exposures to contaminated soil are not expected as access to the site is restricted by fencing. Exposure to contaminated groundwater is not expected because public water serves the area. Three public supply wells at the Carney Street wellfield (located in the Sea Cliff Industrial Area perimeters) were closed in 1977 due to an impact from the contaminant plume. The groundwater contamination could affect other area public supply wells. Water quality of the public water supply wells is monitored on a regular frequency to safeguard the drinking water supply.

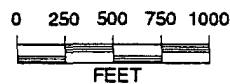
SYL00115301



Site Location Map

130054 Crown Dykman

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Nassau

SYL00115302

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Crown Dykman	Site Code: 130054
Class Code: 2 Region: 1 County: Nassau	EPA Id: NYD013599261
Address: 66 Herhill Road / Glen Cove, NY 11542	
Latitude: 40° 51' 43" Longitude: 73° 38' 21"	
Site Type: Structure	Estimated Size: 1 Acres

Site Owner / Operator Information:	
Current Owner(s) Name:	Herhill Associates
Current Owner(s) Address:	21 Edwards Lane / Glen Cove, NY 11542
Owner(s) during disposal:	Herhill Assoc./Kalmon Dolgin Affiliates
Operator(s) during disposal:	*** Multiple Site Operators ***
Stated Operator(s) Address:	
Hazardous Waste Disposal Period:	From: 1955 To: 1990

Site Description:

This facility, also known as 66 Herhill Road, is located west of Charles Street and east of Dickson Lane. From 1932 thru 1975, the property was occupied by Dykman Laundry. From 1975 to 1983 (when they went out of business) Crown Uniform Services utilized the premises to dry clean and service uniforms. Crown originally used petroleum based stoddard solvent, which was later replaced by PCE. After Crown Uniform, the property was occupied by a number of businesses, including, F.B. Flipse Auto, an auto body shop. The Nassau County Department of Health sampled the pit in June of 1987 and found PCE at 2500 ppb; 1,1,1-trichloroethane at 45 ppb, toluene at 290 ppb and xylene at 7,600 ppb. S & W Laundry washed and pressed shirts in the back portion of the property at the same time that the Flipse auto body shop worked on the premises. In 1983, Proyarq 4-5 Inc., a woodworking company that used lacquer thinner, occupied the property. In 1990/1991, four underground solvent tanks and one gasoline tank, as well as a drum labeled "PERC"(PCE) were unearthed. Approximately 30 cubic yards of soil near the gasoline tank and approximately 55 cubic yards near the solvent tanks were removed. Soil near the solvent tanks showed PCE at 110 ppb; TCE at 40 ppb; and trans-1,2-dichloroethene (DCE) at 26 ppb. A water sample taken from the excavated pit found vinyl chloride at 60 ppb. Three groundwater monitoring wells were installed and sampled in February of 1992. One of the downgradient wells was found to be contaminated with PCE at 11,000 ppb; TCE at 4,000 ppb, trans-1,2-dichloroethylene at 94 ppb, & vinyl chloride at 330 ppb. A RI/FS Consent Order was signed. The results of the soils investigation conducted in August 1997 in the areas that formerly contained the underground storage tanks (USTs) and the indoor pit, did not show any detectable levels of TCE and its breakdown products. EPA data for the Li Tungsten site shows that the Crown Dykman site may also have contributed to the groundwater contamination at the Li Tungsten site. The RI/FS is underway and an IRM is planned to remediate on-site soils.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene {(PCE or "perc.")}(U210)}

Quantity:

unknown

Analytical Data Available for:	Groundwater Soil
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	Depth to
Soil/Rock Type: Glacial till and sand, gravel, silt and clay.	Groundwater: Range: 5 to 10 feet.
Legal Action: Type: State Consent Order -RI/FS	Status: Order Signed
Remedial Action: Proposed	Nature of action: IRM-Soil remediation.

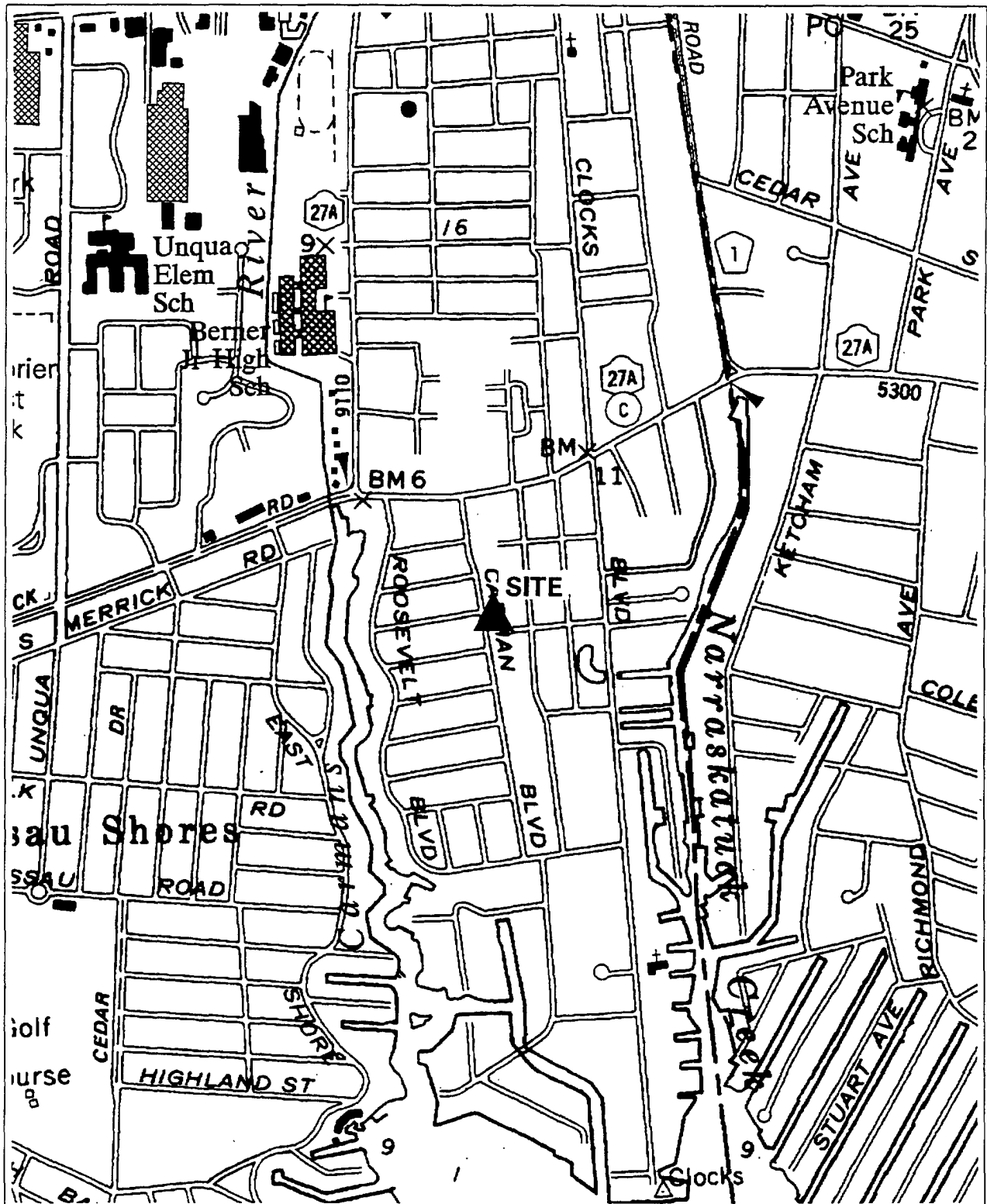
Assessment of Environmental Problems:

Hazardous wastes have been released and are contaminating the sole source aquifer beneath the site with concentrations exceeding NYS Class GA groundwater standards.

Assessment of Health Problems:

On-site subsurface soils are contaminated with volatile organic compounds and petroleum products. Groundwater from monitoring wells west of the site is contaminated with trichloroethene, tetrachloroethene, 1,2-dichloroethene and vinyl chloride at levels well above New York State standards for public drinking water supplies. The area is served by public drinking water, so exposure to contaminated groundwater is not expected. The current data are insufficient to further characterize the site. A remedial investigation is underway which will provide additional data that will be used to further characterize the exposure potential posed.

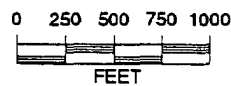
SYL00115303



Site Location Map

130056 Gent Uniform Rental Service

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Nassau

SYL00115304

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Gent Uniform Rental Service	Site Code: 130056
Class Code: 2 Region: 1 County: Nassau	EPA Id:
Address: 5680 Merrick Road / Massapequa, NY 11758	
Latitude: 40° 40' 2" Longitude: 73° 25' 45"	
Site Type: Structure	Estimated Size: 0.4 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Frank Urbinati, Jr.
Current Owner(s) Address: 5680 Merrick Road / Massapequa, NY 11758
Owner(s) during disposal: Frank Urbinati, Jr.
Operator(s) during disposal: Frank Urbinati, Jr.
Stated Operator(s) Address: 5680 Merrick Road / Massapequa, NY 11758
Hazardous Waste Disposal Period: From: 1979 To: unknown

Site Description:

This site is located in the southwest corner of the Merrick Road / Stone Boulevard intersection. The property consists of a two-story building and a paved parking lot. The property is fenced and gated to restrict access. Dry cleaning operations were initiated on site in 1979. The Nassau County Department of Health began an investigation in this area in response to finding tetrachloroethene in the tap water at the Range Rover property directly to the south of the site at a level of 300,000 ppb. Investigations completed in 1989 and 1990 found high levels of tetrachloroethene in groundwater located in the southwest corner of the Gent property. Subsequent groundwater sampling conducted by DEC in the fall of 1996 revealed high levels of tetrachloroethene in soils and shallow groundwater beneath the Gent building. An air sparge/soil vapor extraction system was installed unilaterally by the owner in 1997 in the vicinity of the former cesspool beneath the building. The property owner completed a Supplemental Site Assessment in 1999. Data supplied by the owner's consultant indicates that the treatment system has been effective in remediating most of the on-site soil and groundwater contamination. Under a consent order with DEC which was executed on December 31, 2001, the potentially responsible party (PRP) will perform a supplemental investigation to confirm the effectiveness of the on-site remedial work and to investigate the off-site groundwater.

Confirmed Hazardous Waste Disposal:

Tetrachloroethene

Quantity:

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Sand and gravel.		Groundwater: Range: 5 to 10 feet.
Legal Action: Type: State Consent Order	Status: Order Signed	
Remedial Action: In Progress	Nature of action: Air sparging & soil vapor extraction.	

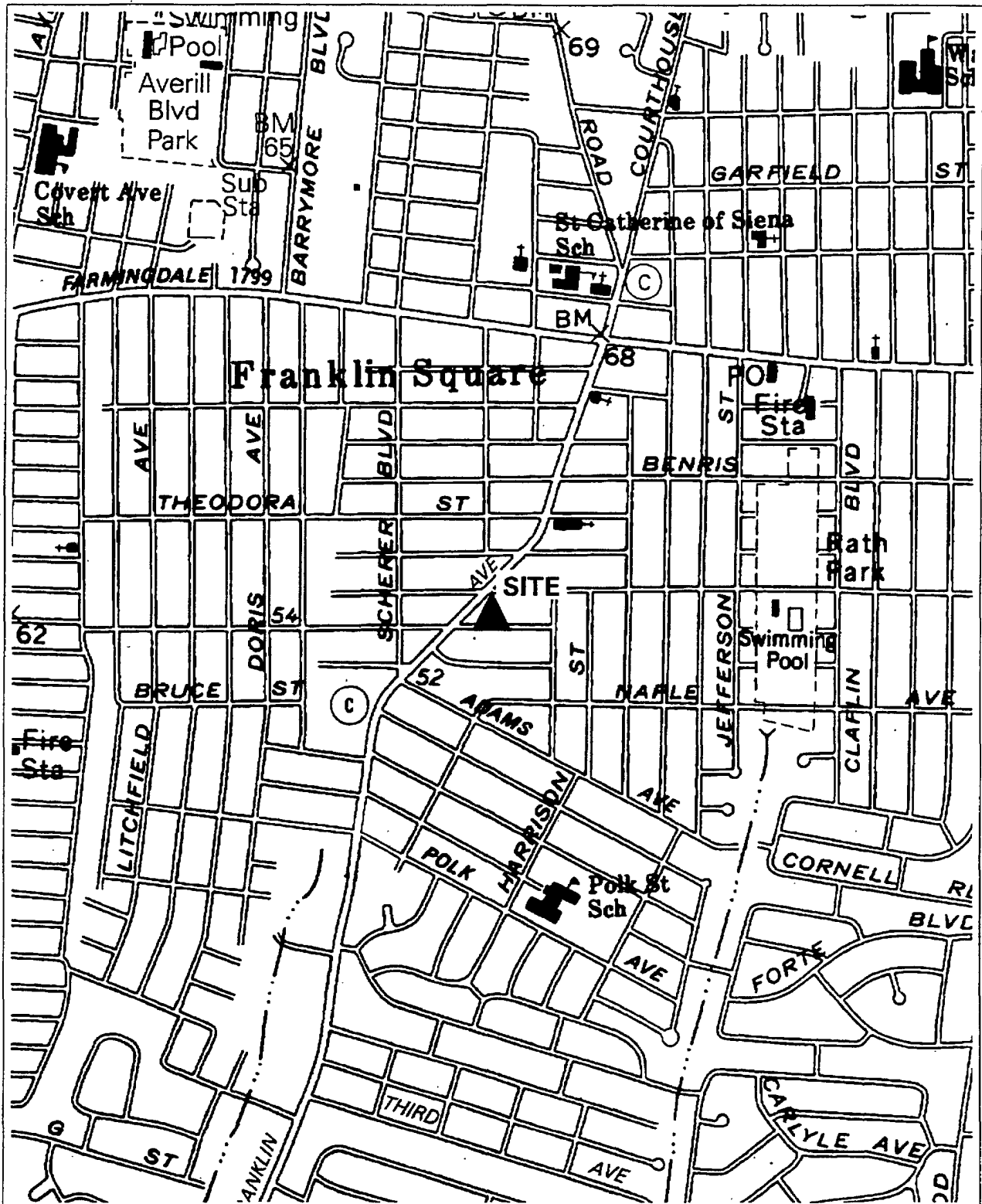
Assessment of Environmental Problems:

Past site operations have contaminated soil and groundwater beneath the building with tetrachloroethene. A remedial investigation is needed in order to fully delineate the extent of groundwater contamination.

Assessment of Health Problems:

Most of the contaminated soil at the site was beneath the building's concrete floor, which limited the potential for exposure. Operation of an air sparge/soil vapor extraction system has significantly reduced the potential for exposure to site-related soil and vapor contamination. The private supply well at an adjacent property was abandoned after tetrachloroethene concentrations exceeding the NYSDOH drinking water standard were detected. The area is served by public water. The nearest public water supply wells are upgradient of the site and are not affected by site-related contamination. Volatile organic compounds were detected at concentrations below NYSDOH drinking water standards in a downgradient private well. The homeowner was advised to connect to the public water supply. Further investigation to determine the extent of groundwater contamination at and near the site is being planned.

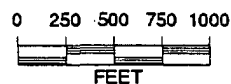
SYL00115305



Site Location Map

130058 Tres Bon Cleaners

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Nassau

SYL00115306

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Tres Bon Cleaners		Site Code: 130058	
Class Code: 2	Region: 1	County: Nassau	EPA Id:
Address: 197 Franklin Avenue / Franklin Square, NY 11010			
Latitude: 40° 42' 9"		Longitude: 73° 40' 44"	
Site Type: Structure		Estimated Size: 0.25 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **George Nickson**
 Current Owner(s) Address: **3 Andover Court / Garden City, NY 11530**
 Owner(s) during disposal: **Mr. Lee**
 Operator(s) during disposal: **JES Cleaners**
 Stated Operator(s) Address: **197 Franklin Avenue / Franklin Square, NY 11010**
 Hazardous Waste Disposal Period: **From: 11/1987 To: 01/1988**

Site Description:

An inspection by the NCDOH January 21, 1988 identified an unpermitted cooling water discharge to the soil and pavement at the rear of the building. The Nassau County Department of Health collected a soil sample in February, 1988 in the area of the cooling water discharge. The results showed PCE levels at 30,000 ppb. Downgradient groundwater analyses showed PCE at 270 ppb & 1,2-DCE at 40 ppb. An air stripper and SVE system was operated from October 1993 to December 1994 under the supervision of the NCDOH. Subsequent quarterly groundwater samples detected elevated levels of PCE. The groundwater treatment system was re-started in May 1996. In April 1997, the owner discontinued operation of the remedial system. Groundwater samples collected by NYSDEC on July 29, 1998 revealed PCE contamination up to 2,000 ppb. On March 25, 1999, the site owner signed a Consent Order to conduct a RI/FS. The air stripper and SVE system was restarted in August 1999 and influent and effluent compliance monitoring samples were collected. The results of the RI/FS activities revealed elevated soil gas concentrations of PCE ranging from 17 ppm to 48 ppm along the southeastern edge of the building. Additionally, a soil boring taken beneath one of the dry-cleaning machines showed PCE at 61,400 ppb. An additional SVE well was installed at this location in September 2000 to address this contamination. In April 2001, an additional SVE well was installed near the exterior storm drain after a soil/sediment sample collected at this location in September 2000 was found to contain 17,000 ppb of PCE. Recent sampling of downgradient monitoring wells has shown an increasing trend in PCE concentrations (as high as 170 ppb in an observation well located approximately 1,315 feet from Franklin Square Water District well # 3) suggesting that a slug of contamination may be heading toward the water supply well which is located approximately 2,165 feet downgradient of the site. Discussions are ongoing between the DEC, the water district and the RP to ensure that measures are taken to prevent contamination from this site from impacting the water supply well.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene ((PCE or "perc.") (F002))

Quantity:

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:	Depth to	
Soil/Rock Type: Sand.	Groundwater: Range: 15 to 20 feet.	

Legal Action: Type: State Consent Order -RI/FS	Status: Order Signed
Remedial Action: In Progress	Nature of action: IRM-Air stripper & soil vapor extraction system.

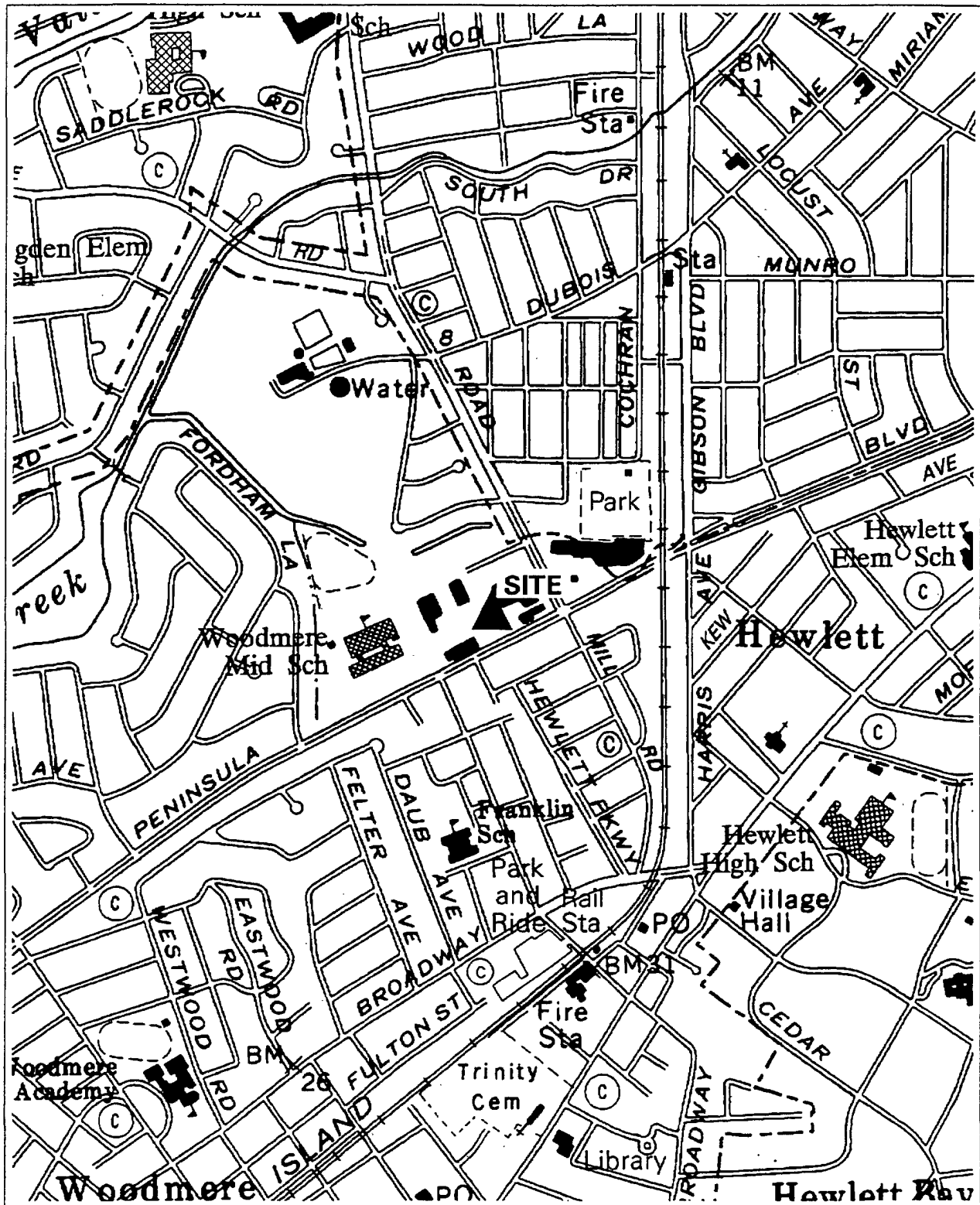
Assessment of Environmental Problems:

Groundwater and soils are contaminated with tetrachloroethylene from past site operations. Recent sampling suggests that a slug of PCE contamination has left the site and is headed towards a public water supply well located approximately 2,165 feet downgradient of the site.

Assessment of Health Problems:

Contamination of the groundwater is a concern at the site. Groundwater flow is to the southwest. Two wells of the Franklin Square Water District are 1000 feet to the west of the site and are contaminated with tetrachloroethene (PCE) at concentrations about 50 times the drinking water standard. The wells are treated with granular activated carbon filters in order to meet drinking water standards. Contaminated soil and vapors are present beneath the building and are being remediated with a recently installed vapor extraction system. PCE has been detected in air around the site, particularly during a period when the cleaners' ventilation system was not functioning. The system has since been repaired and PCE concentrations near neighboring residences have been substantially reduced. PCE vapor releases to air will continue to be evaluated with further testing.

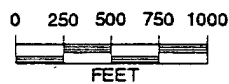
SYL00115307



Site Location Map

130059 Grove Cleaners

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Nassau

SYL00115308

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Grove Cleaners		Site Code: 130059	
Class Code: 2	Region: 1	County: Nassau	EPA Id: 981177496
Address: 1270 and 1274 Peninsula Boulevard / Hewlett, NY 11557			
Latitude: 40° 38' 38"		Longitude: 73° 42' 22"	
Site Type: Structure		Estimated Size: 1.4 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Nathan L. Serota
Current Owner(s) Address: 70 East Sunrise Highway / Valley Stream, NY 11581
Owner(s) during disposal: *** Multiple Site Owners ***
Operator(s) during disposal: Armondo DeAngelis
Stated Operator(s) Address: 1274 Peninsula Boulevard / Hewlett, NY 11557
Hazardous Waste Disposal Period: From: unknown To: unknown

Site Description:

Grove Cleaners is a dry cleaning facility. The nearest water body is Motts Creek, about 2,500 feet northwest of the site. Soil samples were collected at this site on February 25, 1991, from an on-site drywell which showed contamination by tetrachloroethylene (PCE), 1,1,2-trichloroethylene, and 1,2-dichloroethylene. The facility was sited on March 14, 1991, by the Nassau County DOH, for discharging hazardous wastes into a dry well via a storm drain at the rear of the building. Subsequent groundwater samples, taken on September 25, 1991, indicated contamination by PCE. Soil sample results, from a dry well in the rear of the building, indicated illegal discharges of PCE. Subsequent groundwater samples taken downgradient of the dry well revealed groundwater contamination with PCE at 900 ppb. Since the groundwater contamination is within a sole source aquifer, this site poses a significant threat to the public and the environment. DEE signed a Remedial Investigation/Feasibility Study (RI/FS) Consent Order on March 31, 1995. Three monitoring wells have been installed. Groundwater contamination is still present. The Potentially Responsible Party (PRP) performed a groundwater Interim Remedial Measure (IRM) for the source area in February 1999. The groundwater contamination at the source area diminished, but was not completely remediated. The DEC requested the PRP to determine the areal and vertical extent of the groundwater contamination. Since the PRP refused to perform this work, the Department initiated a Focused RI/FS in March 2000. As part of the RI/FS work plan, geoprobe borings and additional monitoring wells have been installed on site. The results of the sampling for volatile organic compounds in the on-site wells and geoprobe locations have concluded that groundwater contamination has migrated off site. The NYSDEC has completed a RI that included on-site and off-site investigations to determine the extent of the groundwater contamination. The results of the RI indicated that a second PCE plume is evident in an upgradient direction from the Grove Cleaner site.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene ((PCE or "perc." (F002))

Quantity:

unknown

Analytical Data Available for:	Groundwater	Surface Water	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater	Surface Water		
Geotechnical Information:			Depth to	
Soil/Rock Type: Sand.			Groundwater: Range: 1 to 5 feet.	
Legal Action: Type: State Consent Order			Status: Order Signed	
Remedial Action:		Nature of action:		

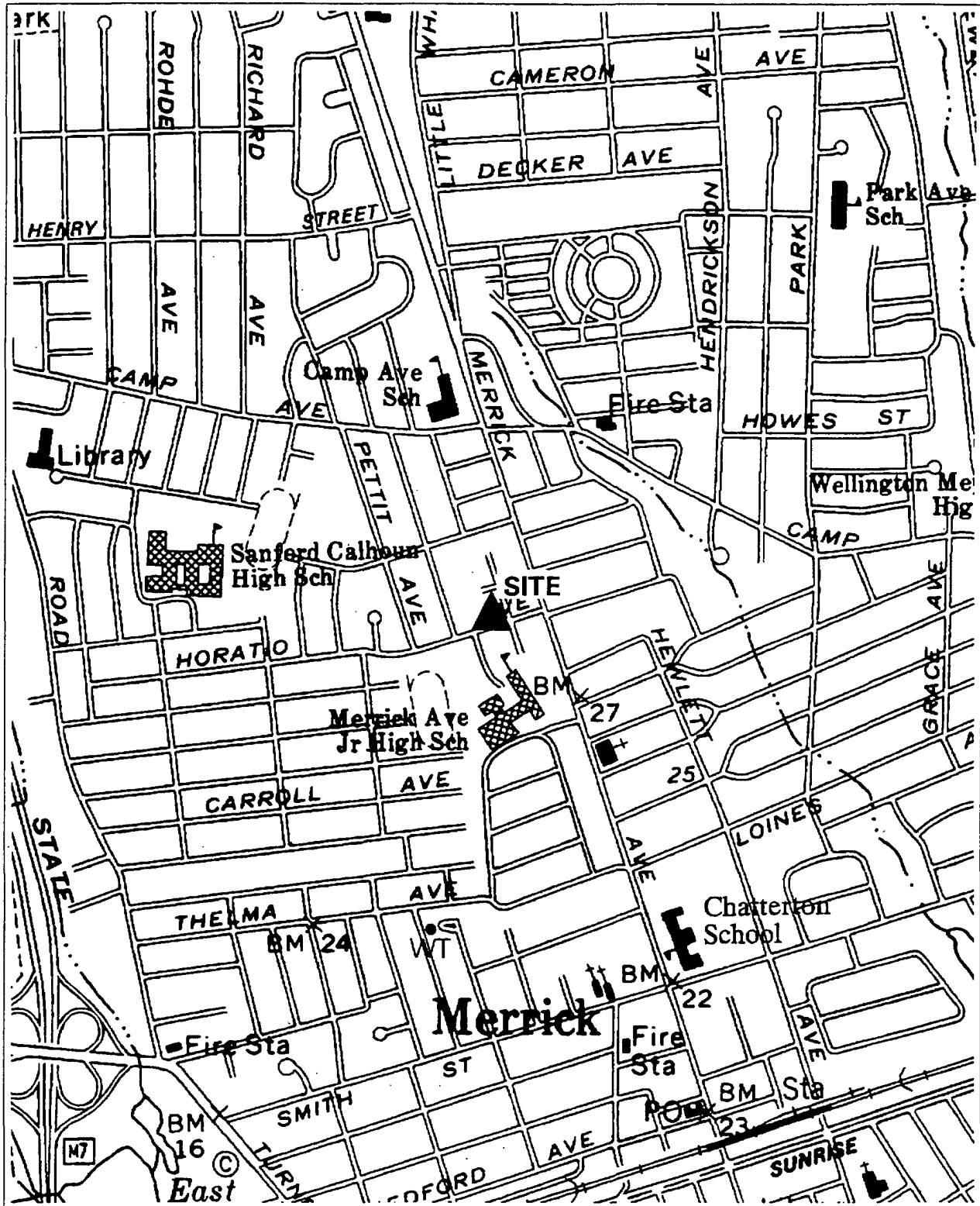
Assessment of Environmental Problems:

Groundwater, surface water and saturated soils are contaminated with Tetrachloroethylene from past site operations. An upgradient source is responsible for the remaining groundwater contamination.

Assessment of Health Problems:

Shallow groundwater on and off the site is contaminated with volatile organic compounds. Public drinking water is available to all residences in the area, so exposures to contaminated groundwater are not expected. Preliminary data indicate a potential for soil vapors to impact homes in the area. Indoor air samples were collected from homes in February 2002 and the results are pending. This data will be used to determine if actions are necessary to reduce exposures in the indoor air. The site is completely paved, so direct contact with contaminated soil is unlikely.

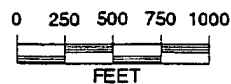
SYL00115309



Site Location Map

130060 Gentle as a Lamb Cleaners

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Nassau

SYL00115310

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Gentle as a Lamb Cleaners		Site Code: 130060	
Class Code: 4	Region: 1	County: Nassau	EPA Id:
Address: 1828 Merrick Avenue / North Merrick, NY 11566			
Latitude: 40° 40' 24"		Longitude: 73° 33' 27"	
Site Type: Structure		Estimated Size: 0.2 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Chris Zucker
Current Owner(s) Address: PO Box 134 / Long Eddy, NY 12760
Owner(s) during disposal: JAP Orzano
Operator(s) during disposal: JAP Orzano
Stated Operator(s) Address: 15 Stewart Place / White Plains, NY 10603
Hazardous Waste Disposal Period: From: 1988 To: 1990

Site Description:

The site is located on a small plot of land approximately 50 feet by 100 feet in area. The property was vacant until the mid 1960s when the existing building was built as a dry cleaning drop-off. The facility was closed down in 1990. Two years prior to closing, the facility was used as a dry cleaning facility. Soil samples were taken in June of 1991 from an on-site cesspool. Analysis revealed tetrachloroethylene (PCE) at 230 ppm, 1,1,2-trichloroethane at 1.2 ppm, 1,1,1-trichloroethane at 1.6 ppm and methylene chloride at 0.94 ppm. The cesspool was cleaned out and the material properly disposed of under the direction of the Nassau County Department of Health in 1991. In July of 1994, the property was sold and the new owner hired a consultant to conduct an environmental assessment of the property. The assessment revealed that the groundwater is contaminated with tetrachloroethylene at 1400 ppb, benzene at 1.7 ppb, ethylbenzene at 9.4 ppb, toluene at 24 ppb and total xylenes at 95 ppb. In August of 1995, the site owner's consultant collected soil and groundwater samples from areas on and off the site. PCE was detected in the soil samples. Groundwater samples from the cesspool area did not contain any PCE or TCE. The concentrations of PCE in the off-site groundwater ranged from non-detect to 33 ppb. In March of 1996 the site was reclassified to a class 4 site. Two rounds of groundwater samples were collected in July and October, 1998. The groundwater samples from the two downgradient monitoring wells have detected low concentrations of tetrachloroethene, slightly above the applicable groundwater standards.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene ((PCE or "perc.")(F001))

Quantity:

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Sand.		Groundwater: Range: 10 to 15 feet.
Legal Action: Type:		Status:
Remedial Action: Complete	Nature of action: Cesspool cleaning.	

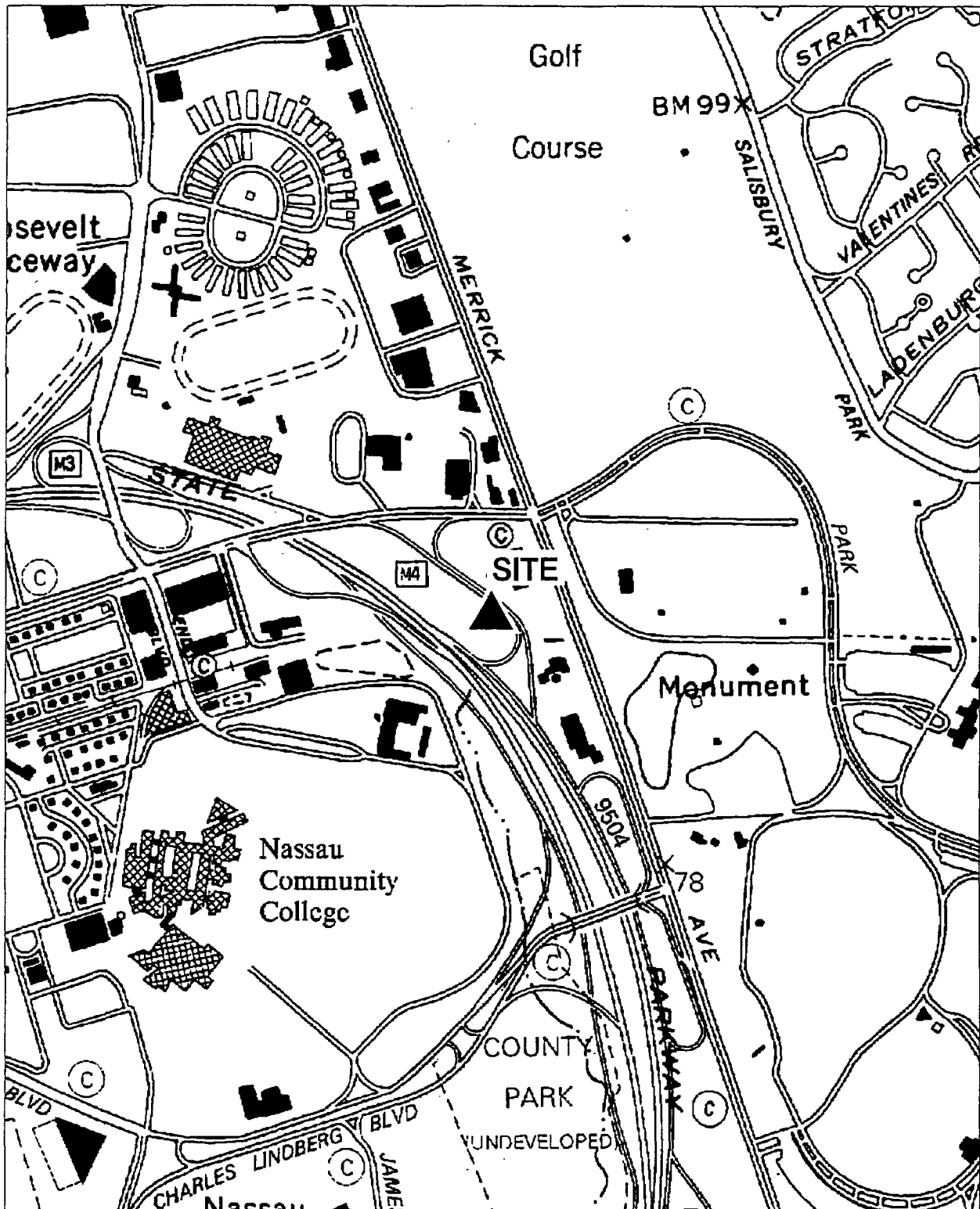
Assessment of Environmental Problems:

Groundwater is contaminated with tetrachloroethylene and BTX compounds. Groundwater samples collected in July and October 1998 indicate that groundwater quality has improved and is only slightly above the applicable groundwater standard for tetrachloroethene.

Assessment of Health Problems:

Groundwater in the vicinity of the on-site cesspool was contaminated with tetrachloroethene, and benzene, toluene, ethylbenzene, and xylene, but levels have significantly decreased. Public water services the area and is routinely monitored, so exposures to contaminated groundwater are not expected. A New York Water Service public water supply well is located approximately 2,260 feet downgradient of the site. Routine testing of the supply well has indicated no site related contamination to date. Exposures to site-related contamination via inhalation or direct contact are not expected.

SYL00115311



Site Location Map

130061 425 Merrick Avenue

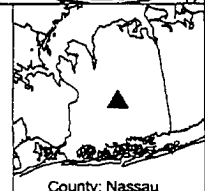
Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000

April 1, 2002



SYL00115312

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: 425 Merrick Avenue	Site Code: 130061
Class Code: 2	Region: 1
County: Nassau	EPA Id:
Address: 425 Merrick Avenue / New Cassel, NY 11590	
Latitude: 40° 44' 6"	Longitude: 73° 35' 2"
Site Type: Structure	Estimated Size: 2 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Meadowbrook Realty Company
Current Owner(s) Address: 5 Arial Way / Syosset, NY 11791
Owner(s) during disposal: New York University
Operator(s) during disposal: New York University Labs
Stated Operator(s) Address: 425 Merrick Avenue / New Cassel, NY 11590
Hazardous Waste Disposal Period: From: unknown To: 1990

Site Description:

This site was formerly operated by New York University (NYU) as a research facility (Aerospace Energetics Laboratory, Fluidized Bed Combustion Research Facility, Antonio Ferri Laboratories, etc.). After NYU vacated the property in August 1990, it was discovered that 200-300 containers ranging in size from 1 to 55 gallons, were situated at various locations throughout the property, including at least 150 55-gallon drums, stockpiled in a partially fenced storage area. Under the order from Nassau County, the owner inventoried, consolidated, and properly disposed the containerized wastes off-site. Follow-up investigation of stained soils indicate significant contamination by PCBs (up to 2,670 ppm in a test pit sample) and 1,2-Dichlorobenzene (up to 900 ppb in a test pit sample). These same constituents were found at high levels in samples taken from the consolidated wastes prior to disposal. A Consent Order was signed by the Potentially Responsible Parties (PRPs) with the NYSDEC to conduct an Interim Remedial Measures (IRM) program for the site in March 1997. The site investigation and IRM have been completed. A proposed remedial action plan (PRAP) has been prepared by the NYSDEC and a public meeting to present the PRAP was conducted by NYSDEC and NYSDOH on February 25, 2002.

Confirmed Hazardous Waste Disposal:

PCBs (B007 Waste)

1,2-dichlorobenzene (F002/U070 Waste)

Methylene chloride (F001/U080 Waste)

Quantity:

unknown

unknown

unknown

Analytical Data Available for: Soil	
Applicable Standards Exceeded in:	
Geotechnical Information:	Depth to
Soil/Rock Type: Sand.	Groundwater: Range: 10 to 15 feet.
Legal Action: Type: State Consent Order -IRM	Status: Order Signed
Remedial Action: Complete	Nature of action: IRM-Building demolition.

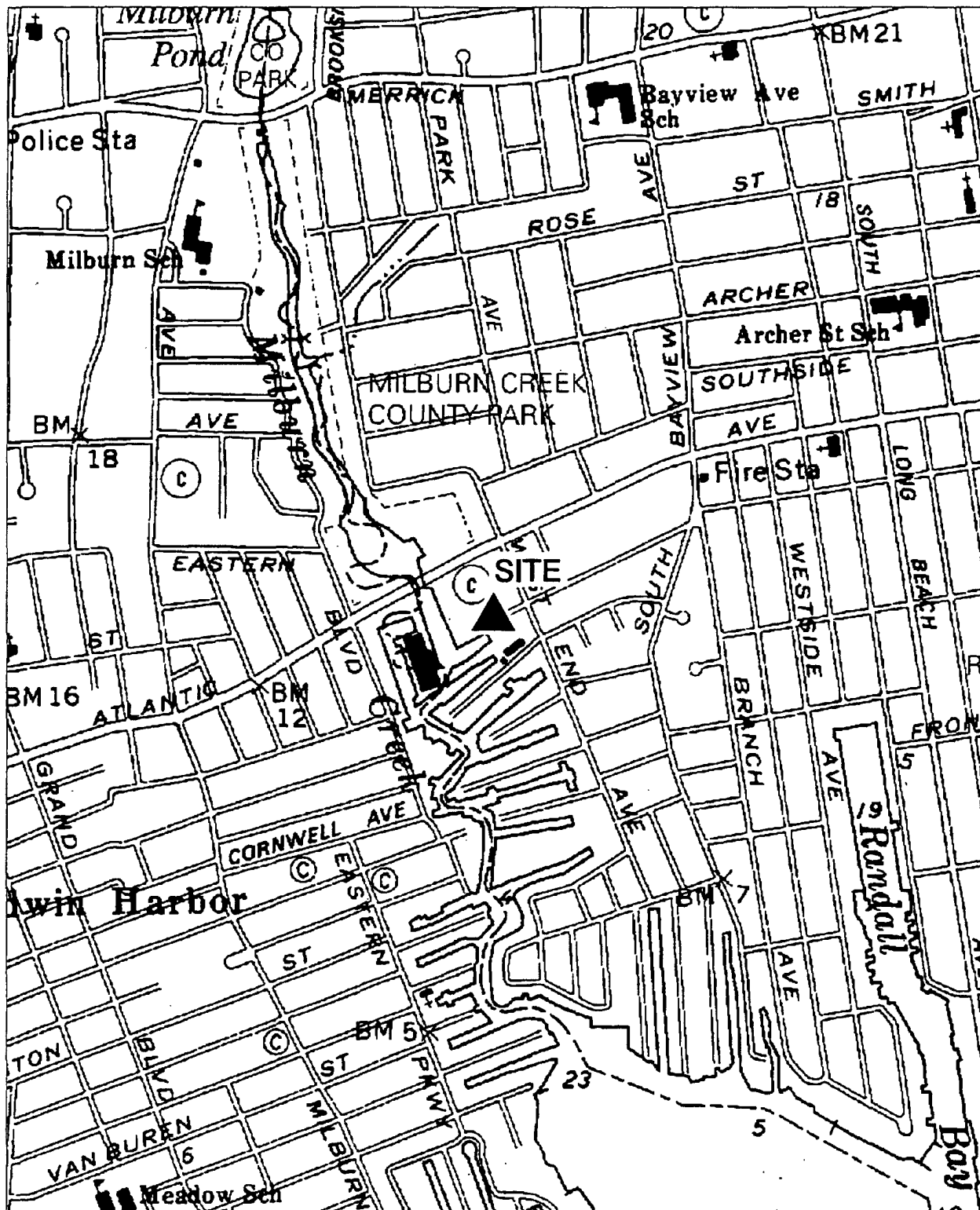
Assessment of Environmental Problems:

Impact on the sole source aquifer is likely due to very high levels of PCBs detected in soils on site, relatively shallow water table, and the sandy nature of the soil.

Assessment of Health Problems:

All structures have been demolished and removed from the site. PCB and mercury contaminated soil has been effectively removed from the site. Any residual concentrations of contaminants that may exist at the site are either of inconsequential amounts or are sufficiently deep to prevent any significant threat to human health. Groundwater on-site is contaminated at levels slightly above groundwater standards but contaminants do not appear to have migrated off-site. Public water serves the immediate area.

SYL00115313



Site Location Map

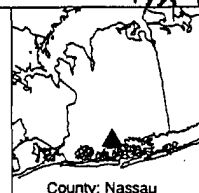
130063 Nassau Uniform Service

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Nassau

SYL00115314

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Nassau Uniform Service	Site Code: 130063		
Class Code: 2	Region: 1	County: Nassau	EPA Id:
Address: 525 Ray Street / Freeport, NY 11520			
Latitude: 40° 38' 31" Longitude: 73° 35' 51"			
Site Type: Structure		Estimated Size: 0.5 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Martin Zinn
Current Owner(s) Address: 525 Ray Street / Freeport, NY 11520
Owner(s) during disposal: Nassau Industrial Dry Cleaners
Operator(s) during disposal: Nassau Uniform Service
Stated Operator(s) Address: 525 Ray Street / Freeport, NY 11520
Hazardous Waste Disposal Period: From: unknown To: unknown

Site Description:

Nassau Uniform Service is a former dry cleaning facility located in a commercial/residential area in Freeport. The area has a flat topography and the nearest water body is a man-made canal off of Millburn Creek, which is adjacent to the western property border. This facility has been in business at the present location for 30 years. On April 27, 1990, a 2000 gallon tetrachloroethylene (PCE) tank was removed, after being in place for approximately 12 years. There had been leakage from the tank return pipe connections which was caused by an excess return of PCE to the tank from the dry cleaning machinery operations, together with sludge build-up. Excess PCE appeared to run down the sides of the tank from the return pipe connections. Soil samples were taken on December 17, 1991 from beneath the tank. Analysis indicated high contaminant concentrations; PCE at 2,900,000 ppb, 1,1,2-trichloroethylene at 130,000 ppb, and 1,2-dichloroethylene at 38,000 ppb. Groundwater samples that were taken the same day downgradient of the tank location also indicated high contamination by PCE at 20,000 ppb, 1,2-dichloroethylene at 10,000 ppb, 1,1,2-trichloroethylene at 3,600 ppb and vinyl chloride at 1,200 ppb. Some additional on-site investigation work was performed in 1994. A Focused Remedial Investigation (FRI) has been completed and the final FRI report was issued in late January 1999. A soil removal was performed in the northwest corner of the property on November 23, 1999. A soil vapor extraction system has been proposed to address contaminated soils above the water table. A proposal to treat the on-site groundwater by pump and treat technology is under review.

Confirmed Hazardous Waste Disposal:
Tetrachloroethylene {(PCE or "perc.") (F001)}

Quantity:
unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Sand and gravel with clay lenses.		Groundwater: Range: 5 to 10 feet.
Legal Action: Type: State Consent Order -RFI/R	Status: Order Signed	
Remedial Action: Proposed	Nature of action: Soil vapor extraction system.	

Assessment of Environmental Problems:

Significant levels of tetrachloroethylene and its breakdown products have been found in groundwater and soil samples.

Assessment of Health Problems:

Exposure to subsurface soil contamination will only occur if on-site soils are disturbed. The potential exists for contaminated soil gas to migrate through subsurface soils toward nearby residential development. A remediation plan has been proposed and once implemented, should serve to control the migration of site-related contamination. The area is serviced by public drinking water obtained from wells upgradient of the site. The potential discharge of site-related contamination into Millburn Creek and Freeport Bay would be rapidly diluted and therefore would not be expected to result in significant exposure to recreational users of these water bodies.

SYL00115315

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Wantagh Cleaners		Site Code: 130064	
Class Code: 2	Region: 1	County: Nassau	EPA Id:
Address: 920 Wantagh Avenue / Wantagh, NY 11793			
Latitude: 40° 42' 7"		Longitude: 73° 30' 23"	
Site Type: Structure		Estimated Size: 0.26 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Stanley Klienfeld
Current Owner(s) Address: 7345 Woodmont Court / Boca Raton, FL 33434
Owner(s) during disposal: An-De Realty Company
Operator(s) during disposal: An-De Realty Company
Stated Operator(s) Address: 85-26 Edgerton Boulevard / Jamaica, NY 11432
Hazardous Waste Disposal Period: From: 1974 To: 1991

Site Description:

Wantagh Cleaners is an active dry cleaner located at the northwest corner of Sandhill Road and Wantagh Avenue near the Southern State Parkway intersection. A Remedial Investigation work plan was prepared by the Environmental Management Group, Inc. in August of 1991. The work plan documents the site use history. Three leaching pools were used at the site for the discharge of wastewaters. In March of 1991 the building was connected to the Nassau County Sewage System. Sludge samples were taken in 1991 from two of the leaching pools. Analysis revealed tetrachloroethylene at 196,000 ppb, trichloroethylene at 10,600 ppb, 1,1,2-trichloroethane at 143 ppb; and toluene at 33.9 ppb. Due to this contamination, the Nassau County Health Department cited the facility for several violations including discharging hazardous materials or wastes without a permit, and operating a hazardous waste management facility without a permit. Sampling conducted on September 19, 1991, showed that the soil 17 feet below the ground surface at the location of leaching pool No. 3 contained tetrachloroethylene at levels of 20 ppb. A State Funded Preliminary Site Assessment (PSA) was completed in March of 1995. The detection of concentrations of listed hazardous wastes in site groundwater indicates that hazardous wastes were released to the environment from previous activities (i.e., disposal of wastes to the leaching pools). Although the sediments from leaching pool #1 and #2 were removed, groundwater sample analysis indicates that all three leaching pool structures, and/or the soils surrounding the leaching pools, still contain hazardous wastes and may be acting as continual sources of groundwater contamination. The site poses a significant threat due to the potential impact on public drinking water supply wells. A Consent Order was signed on September 17, 1996. An air sparging/soil vapor extraction system was constructed in April of 1999, as an Interim Remedial Measure (IRM) and is in operation. Since the IRM proved to be a satisfactory remedy for the site, a record of decision (ROD) was issued in 1999 specifying no further action.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene ((PCE or "perc.") (F001))

Quantity:

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Sand and gravel.		Groundwater: Range: 10 to 15 feet.
Legal Action: Type: State Consent Order -RI/FS		Status: Order Signed
Remedial Action: In Progress		Nature of action: Air sparging & soil vapor extraction.

Assessment of Environmental Problems:

Chlorinated solvents have contaminated soil & groundwater at this site.

Assessment of Health Problems:

The groundwater and soils beneath the site are contaminated with chlorinated solvents at levels above New York State standards for public drinking water supplies. Because the area is served by public drinking water which is routinely monitored, exposures to contaminated groundwater are not expected to occur. Exposure to contaminated soils is not likely unless subsurface excavations were to occur at the site. In April 1999, a remediation system was installed to address soil and groundwater contamination. Levels of volatile organic compounds in soils and groundwater have decreased significantly since the installation of the system.

SYL00115317

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Minuteman Cleaners	Site Code: 130065
Class Code: 2 Region: 1 County: Nassau	EPA Id:
Address: 5640 Merrick Road / East Massapequa, NY 11758	
Latitude: 40° 40' 9" Longitude: 73° 25' 51"	
Site Type: Structure	Estimated Size: 0.38 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Sun Ja Jung
Current Owner(s) Address: 5640 Merrick Road / East Massapequa, NY 11758
Owner(s) during disposal: Sun Ja Jung
Operator(s) during disposal: Minuteman Cleaners
Stated Operator(s) Address: 5640 Merrick Road / East Massapequa, NY 11758
Hazardous Waste Disposal Period: From: unknown To: unknown

Site Description:

Minuteman Cleaners began operating at this site in September, 1985. Prior to that, Vermont Cleaning Corp. (another dry cleaner) occupied the site. In May of 1990, the Nassau Co. Health Department first identified contaminants in three on-site leaching pools through the sampling of liquid effluent in them. Three monitoring wells were installed by the owner's consultant in May of 1991. The groundwater beneath the site is presumed to flow south or southwesterly towards Carman Creek. Groundwater samples taken in July of 1991 have shown that hazardous wastes, including tetrachloroethylene at 19,000 ppb, and trichloroethylene at 1300 ppb have been released to the aquifer. These concentrations are well above the respective New York State Class GA Standard. An Order on Consent for a Remedial Investigation/Feasibility Study (RI/FS) was signed by the Potentially Responsible Party (PRP) in March 1996. Sampling done during the summer of 1996 revealed that there was no off-site groundwater contamination. The PRP's consultant is developing a Feasibility Study focusing on remediation of the leaching pools. A Record of Decision was issued in February of 1999 with Air Sparging/Soil Vapor Extraction selected as the remedy for the site. A Consent Order for the design of the selected remedial alternative was signed in March, 2001. The owner selected EEA, Inc. to develop a design for the selected remedy. This design was conditionally approved on August 22, 2001.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene {(PCE or "perc.") (F001)}
Trichloroethylene (TCE)

Quantity:

unknown
unknown

Analytical Data Available for: Groundwater Soil	
Applicable Standards Exceeded in: Groundwater	
Geotechnical Information:	Depth to
Soil/Rock Type: Glacial outwash.	Groundwater: Range: 5 to 10 feet.
Legal Action: Type: State Consent Order -RD/RA	Status: Order Signed
Remedial Action: In Progress	Nature of action: Air sparging & soil vapor extraction.

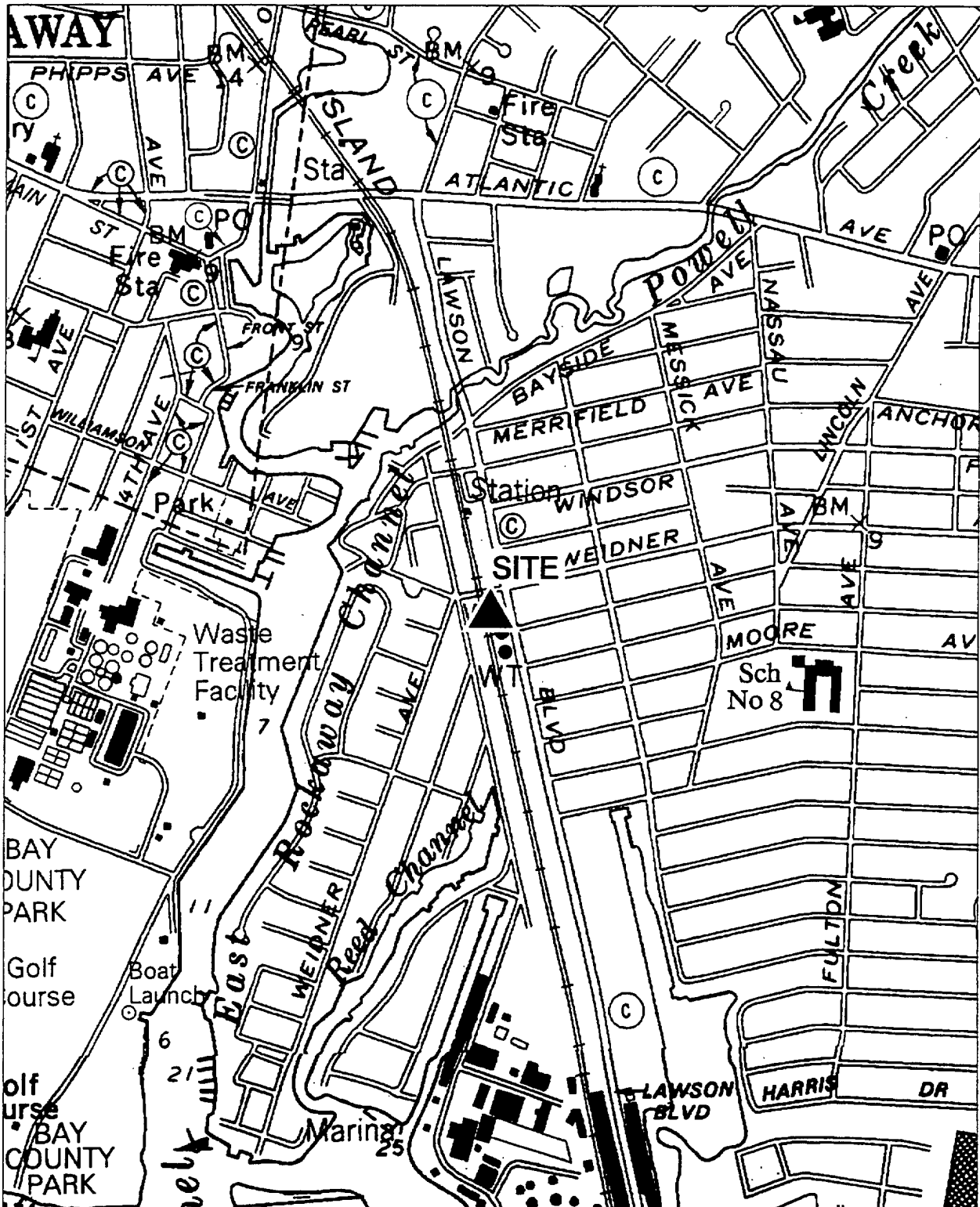
Assessment of Environmental Problems:

Groundwater standards have been contravened in a sole source drinking water aquifer.

Assessment of Health Problems:

Improper disposal of volatile organic compounds to on-site leaching pools has resulted in soil and groundwater contamination. The groundwater below the site is at a depth of nine feet and is contaminated with volatile organic compounds well above drinking water standards. In 1998, indoor air sampling results from nearby homes with basements showed elevated levels of tetrachloroethene at one residence, but at levels below the New York State Department of Health residential guideline for tetrachloroethene in indoor air. An air sparging/soil vapor extraction system planned for the site will reduce the potential for site-related vapors to enter nearby homes. The impacted home will continue to be monitored to evaluate indoor air quality. Public drinking water is available to all businesses and residences in the area. No public drinking water supply wells are located downgradient of the site. The area behind the site is completely paved so direct contact with soil contamination is not possible.

SYL00115319



Site Location Map

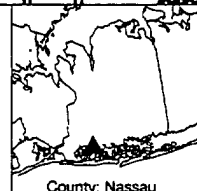
130066 Railroad Dry Cleaners

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Nassau

SYL00115320

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Railroad Dry Cleaners	Site Code: 130066
Class Code: 2	Region: 1
County: Nassau	EPA Id:
Address: 3180 Lawson Boulevard / Oceanside, NY 11572	
Latitude: 40° 37' 60"	Longitude: 73° 39' 14"
Site Type: Structure	Estimated Size: 0.092 Acres

Site Owner / Operator Information:

Current Owner(s) Name: *** Multiple Site Owners ***

Current Owner(s) Address:

Owner(s) during disposal: unknown

Operator(s) during disposal: *** Multiple Site Operators ***

Stated Operator(s) Address:

Hazardous Waste Disposal Period: From: unknown To: unknown

Site Description:

The site is located at the southwest corner of Weidner Avenue and Lawson Boulevard, just south of the Long Island Railroad Oceanside Station. The Nassau County Department of Health (NCDOH) discovered an unpermitted liquid discharge to the soil on this property in July of 1988. The discharge was noted shortly after an underground No. 2 fuel oil tank located at the rear of the building was excavated and removed. Subsequent soil sampling has revealed the presence of tetrachloroethylene (PCE) at levels of 1,100 ppm and components of fuel oil which had been used for heating. Monitoring wells have been installed by a consultant for the site owners, as part of a remedial investigation. Analysis of groundwater samples taken on March 28, 1990, has confirmed the presence of PCE in the aquifer at 28,000 ppb. This concentration greatly exceeds the NYS Part 703 Class GA standard of 5 ppb. NCDOH investigated the contents of the drums located in the rear of the building and found that the drums contained clean soil cuttings from off-site monitoring well installations. DEE is currently negotiating a Consent Order for a Remedial Investigation (RI).

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene {(PCE or "perc.") (F001)}

Quantity:

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type:		Groundwater: Range: 1 to 5 feet.
Legal Action: Type: State Consent Order -RI/FS	Status: Negotiations in Progress	
Remedial Action: Proposed	Nature of action: Soil removal.	

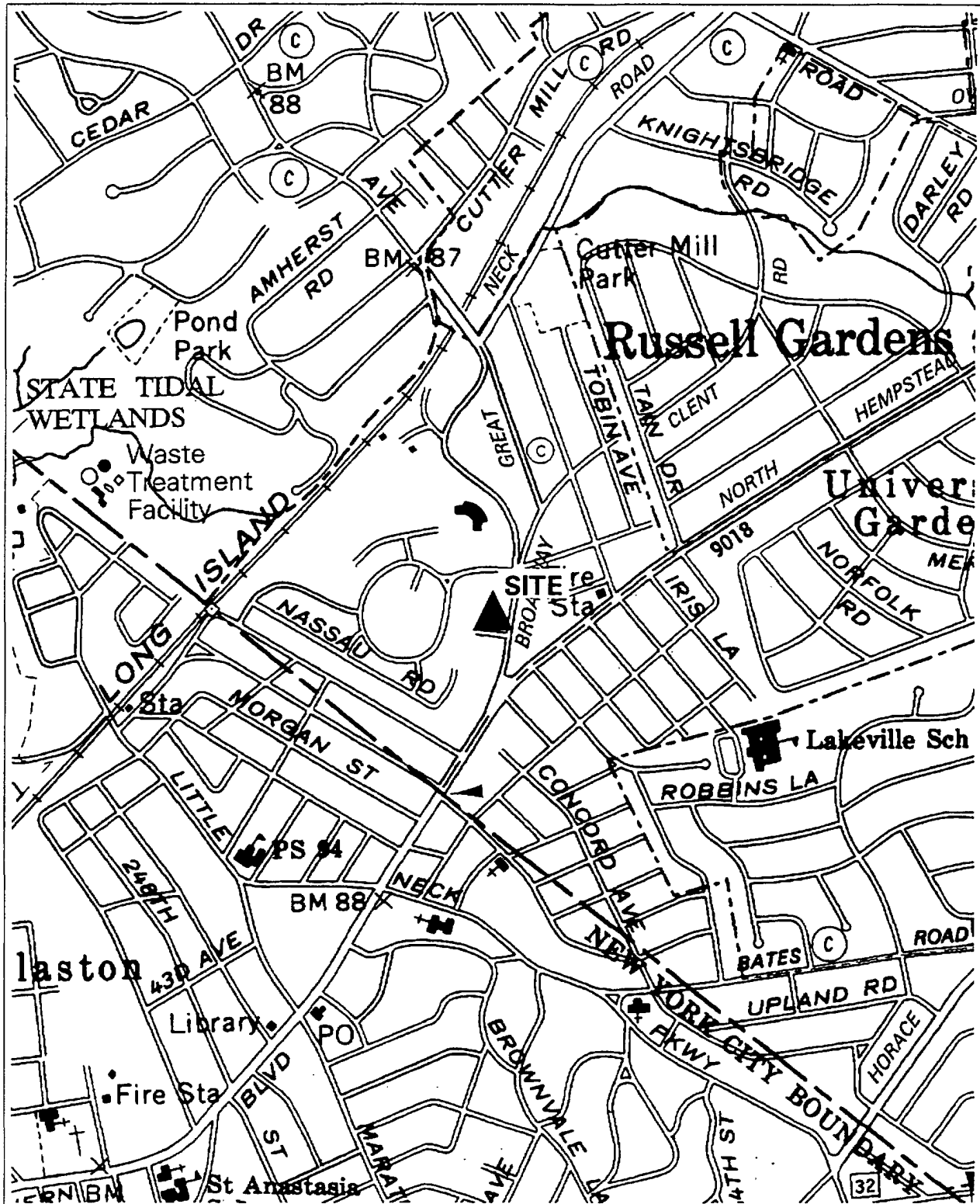
Assessment of Environmental Problems:

Tetrachloroethylene has been released to the aquifer. Fuel oil constituents such as benzene, toluene, and xylenes, have been found in the soil.

Assessment of Health Problems:

Subsurface soils and groundwater are contaminated with dry cleaning solvents and some components of fuel oil above applicable guidelines and standards. There is a potential for volatile organic compounds from the site to impact indoor air quality in nearby buildings. Additional data is needed to further evaluate this exposure pathway. It is unknown whether private drinking water supply wells exist in the area. However, public drinking water is supplied to the area and is routinely tested to see that water quality meets New York State standards for public drinking water supplies. The nearest public drinking water supply wells are located to the north and have not been affected by site-related contaminants. Contact with contaminated soils is unlikely as they are at depth.

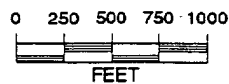
SYL00115321



Site Location Map

130068 Mayflower Cleaners

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Nassau

SYL00115322

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Mayflower Cleaners		Site Code: 130068	
Class Code: 2	Region: 1	County: Nassau	EPA Id:
Address: 489 Great Neck Road / Great Neck, NY 11020			
Latitude: 40° 46' 33"		Longitude: 73° 43' 57"	
Site Type: Structure		Estimated Size: 1 Acres	

Site Owner / Operator Information:
Current Owner(s) Name: Michael Weinberger
Current Owner(s) Address: 390 Willis Avenue / Roslyn Heights, NY 11577
Owner(s) during disposal: unknown
Operator(s) during disposal: Mayflower Cleaners
Stated Operator(s) Address: 489 Great Neck Road / Great Neck, NY 11020
Hazardous Waste Disposal Period: From: unknown To: unknown

Site Description:

The site consists of two multi-tenant commercial buildings and parking lots. Mayflower Cleaners is located in the southern corner of one of the buildings. Two dry wells are located in the basement of the buildings. Both dry wells are crude shallow holes in the ground. The owner of Mayflower has admitted to draining boiler water into the rear dry well each day. The Nassau County Health Department collected split soil samples from each of the dry wells on September 29, 1995. The southeast dry well was found to contain tetrachloroethylene (PCE) at a level of 1700 ppb and the west (rear) basement drain contained PCE at 3200 ppb. The levels of PCE found in the samples exceed recommended soil cleanup objectives. On January 17, 1996, the two floor drains(dry wells) were excavated to a depth of 2.5 feet as per the approved EPA closure plan dated August 22, 1995. Closure of the floor drains was performed in the presence of a NCDH representative. Additionally, on site there are production wells, monitoring wells and vapor extraction wells associated with the remediation of a gasoline plume from an Amoco gas station to the south.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene ((PCE or "perc.") (F002))

Quantity:

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:		Depth to
Soil/Rock Type: Fine sand, silt and clay.		Groundwater: Range: 25 to 30 feet.

Legal Action: Type:	Status:
Remedial Action: Complete	Nature of action: Floor drain closure.

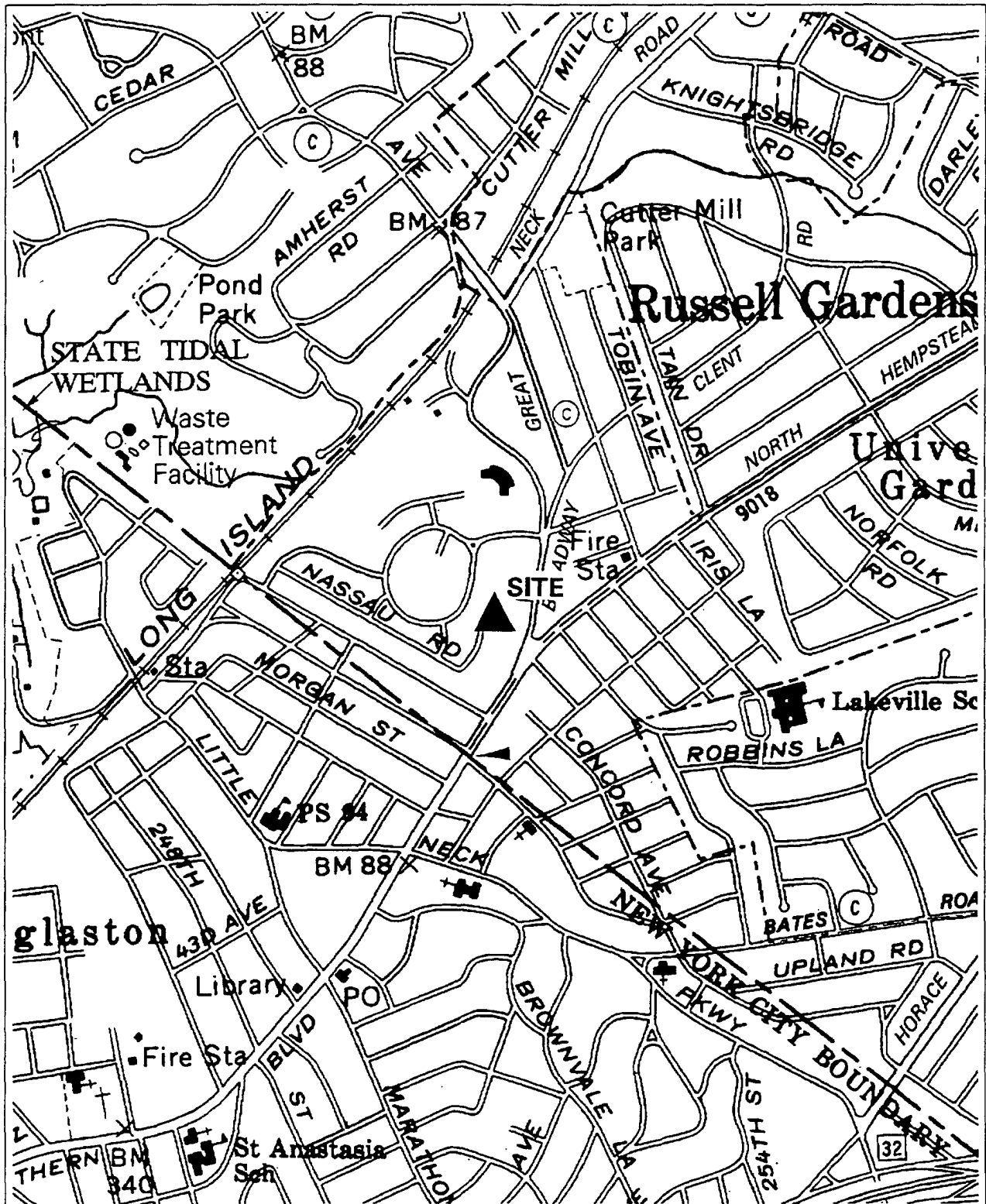
Assessment of Environmental Problems:

Disposal of PCE into on-site drywells has impacted groundwater beneath the site. Contaminated groundwater is being captured by an adjacent gasoline remediation system.

Assessment of Health Problems:

Exposures to contaminated groundwater are not expected as public water serves the area and the nearest wells have VOC removal treatment. The contaminated soils within the two basement drywells are inaccessible for human contact. Additional investigation is needed to fully characterize the exposure potential posed to the surrounding community.

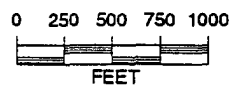
SYL00115323



Site Location Map

130070 Citizens Development Company

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000

April 1, 2002



County: Nassau

SYL00115324

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Citizens Development Company			Site Code: 130070
Class Code: 2	Region: 1	County: Nassau	EPA Id:
Address: 47 Northern Boulevard / Great Neck, NY 11020			
Latitude: 40° 46' 30"		Longitude: 73° 43' 59"	
Site Type: Structure		Estimated Size: 1 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Citizens Development Company
Current Owner(s) Address: 47 Northern Boulevard / Great Neck, NY 11020
Owner(s) during disposal: Citizens Development Company
Operator(s) during disposal: Cleanland Drive In Cleaners
Stated Operator(s) Address: 47 Northern Boulevard / Great Neck, NY 11020
Hazardous Waste Disposal Period: From: 1960 To: 1976

Site Description:

Cleanland Drive-In Cleaners occupied the facility from approximately 1960 to 1976. In December 1984, under the oversight of the Nassau County Department of Health, 75 cubic yards of contaminated soil were excavated and removed from the site. Under NYSDEC oversight, a groundwater pump and treatment system operated from January 1986 through May 1990. On September 29, 1994 a Remedial Investigation/Feasibility Study (RI/FS) Consent Order was executed. Under the Division of Environmental Remediation (DER) oversight, an Interim Remedial Measure (IRM) was undertaken utilizing soil vapor extraction to remove residual contamination from the soil. In March 1998, the NYSDEC issued a Record of Decision (ROD) for Operable Unit 1 (on-site soil and shallow groundwater). The OU-1 ROD requires annual groundwater sampling from all on-site and off-site monitoring wells. An OU-2 RI/FS report was submitted in December 2001 which evaluated deeper groundwater off-site. The report is currently under review by NYSDEC and NYSDOH.

Confirmed Hazardous Waste Disposal:
Tetrachloroethylene ((PCE or "perc.")(F001))

Quantity:
unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:		Depth to
Soil/Rock Type: Sand.		Groundwater: Range: 30 to 35 feet.
Legal Action: Type: State Consent Order -RI/FS		Status: Order Signed
Remedial Action: Complete		Nature of action: IRM-Soil removal.

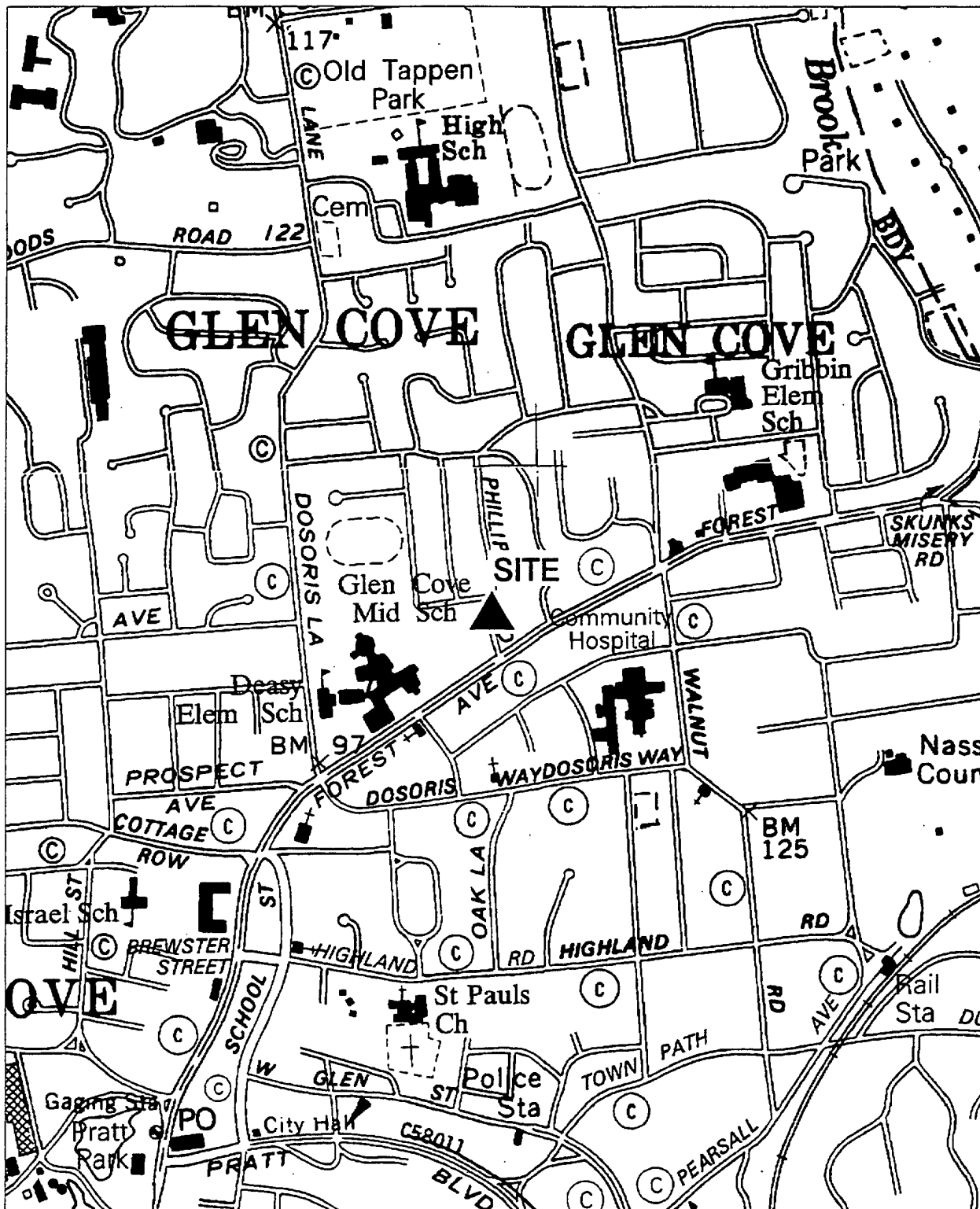
Assessment of Environmental Problems:

Groundwater has been contaminated with Tetrachloroethylene. The areal extent of the groundwater plume is being defined. Source remediation was undertaken and was successful.

Assessment of Health Problems:

A primary public health concern related to this former dry cleaning facility is contamination of the aquifer with tetrachloroethene, a commonly used dry cleaning chemical. The nearest public supply well has been contaminated with tetrachloroethene and other volatile organic compounds (VOCs) since 1984. The Water Authority of Great Neck North is treating the water to remove these contaminants from the water prior to distribution to the community. Contaminated soils and sediments have been removed from the site and concentrations of tetrachloroethene in shallow groundwater on-site have decreased substantially. The concentrations of tetrachloroethene remaining in the soil are low and do not pose a public health concern with respect to either soil ingestion or contact with the soil. The extent of elevated concentrations of tetrachloroethene in indoor air in the on-site building and the significance of related exposures if any, are currently being evaluated.

SYL00115325



Site Location Map

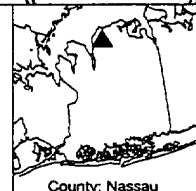
130071 Ronhill Cleaners

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



SYL00115326

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Ronhill Cleaners	Site Code: 130071
Class Code: 2 Region: 1 County: Nassau	EPA Id:
Address: 71 Forest Avenue / Glen Cove, NY 11542	
Latitude: 40° 52' 21" Longitude: 73° 37' 32"	
Site Type: Structure	Estimated Size: 0.50 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Bedford Affiliates
Current Owner(s) Address: 22709 Meridiana Drive / Boca Raton, FL 33433
Owner(s) during disposal: Bedford Affiliates
Operator(s) during disposal: Richard Sills & Henry Oh
Stated Operator(s) Address: 71 Forest Avenue / Glen Cove, NY 11542
Hazardous Waste Disposal Period: From: 1963 To: 1993

Site Description:

This site is located at the corner of Forest and Bryce Avenue in a commercial/residential area and is about 1200 feet southwest from a public supply well. It had been in business since 1963, and ceased operations in 1993. The site was first investigated in 1978 when two public water wells at the Seaman Road Wellfield, located 1200 feet northeast of the site, were shut down because of elevated levels of tetrachloroethylene (PCE). A Nassau County Health Department Investigation concluded that Ronhill Cleaners was the only significant user of PCE in the area. Their estimated usage was 2500 gallons per year. Bedford Affiliates, a Potentially Responsible Party (PRP), completed a Preliminary Site Assessment (PSA) in March 1995. On-site soil analysis revealed PCE levels up to 14,000 ppb. On-site groundwater analysis revealed PCE levels up to 81,000 ppb. An Interim Remedial Measure (IRM) utilizing a soil vapor extraction system has been undertaken to remediate the contaminated sub-soils. The PRP installed an additional upgradient monitoring well to determine the upgradient groundwater quality. This well showed PCE contamination also; the source is undetermined. The NYS Office of the Attorney General has successfully negotiated with the potentially responsible party (PRP) to conduct the RI/FS. A first-phase RI Report was submitted in May 2001 and showed concentrations of PCE up to 190,000 ppb in the groundwater. The PRP has proposed to conduct an IRM to address on-site groundwater and possible non-aqueous phase liquid. The NYSDEC has submitted comments on the proposed IRM, however, as of January 2002, the PRP has not responded. The city of Glen Cove anticipates utilizing the Seaman Road supply well in the summer of 2002 which is expected to mobilize contamination from the site and impact this supply well.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene {(PCE or "perc.") (F002)}

Quantity:

unknown

Analytical Data Available for: Groundwater Soil	
Applicable Standards Exceeded in: Drinking Water	
Geotechnical Information:	Depth to
Soil/Rock Type: Sand.	Groundwater: Range: 80 to 85 feet.
Legal Action: Type: State Consent Order	Status: Order Signed
Remedial Action: In Progress	Nature of action: IRM-Soil vapor extraction system.

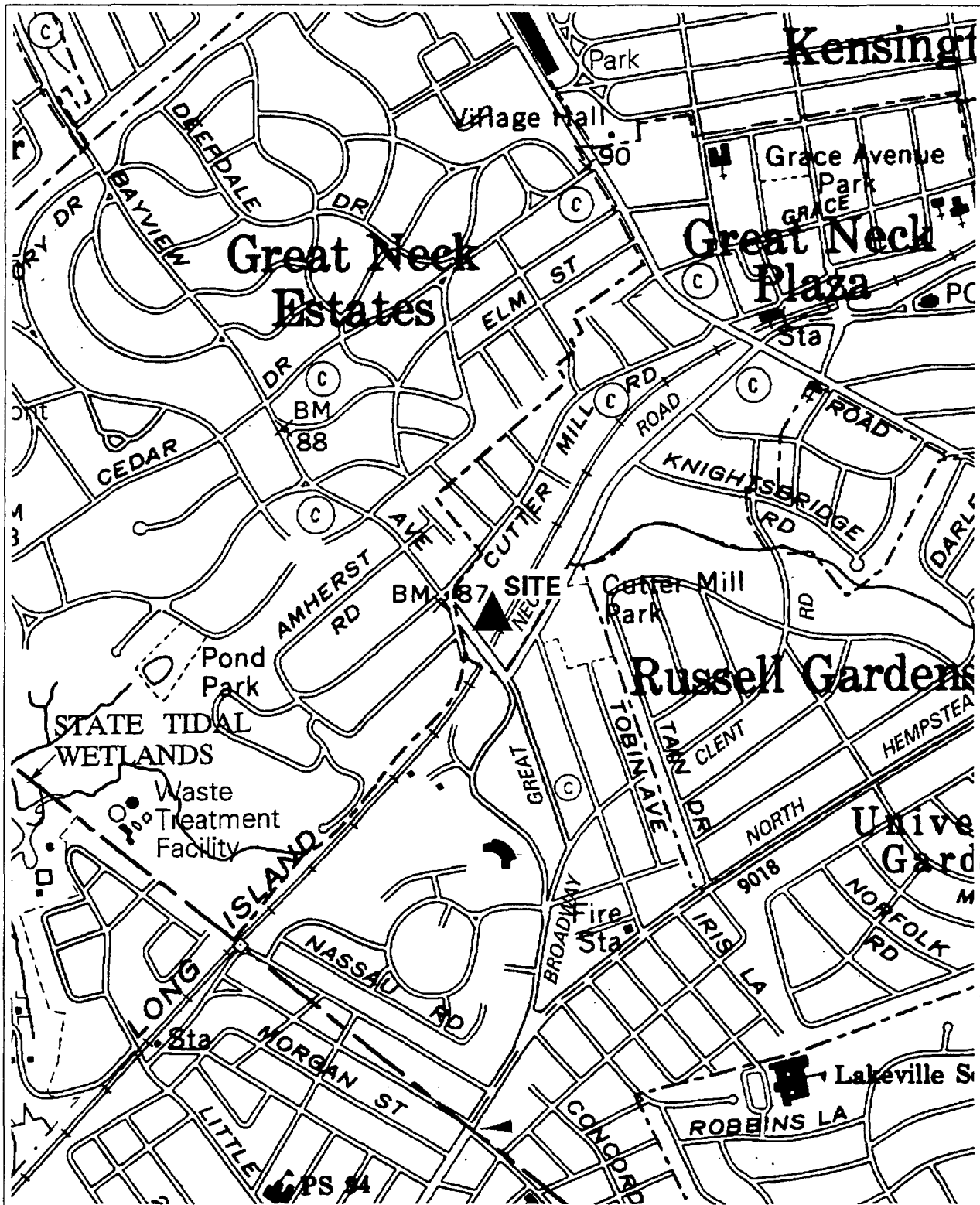
Assessment of Environmental Problems:

Soils are contaminated with tetrachloroethylene from past dry cleaning operations. Groundwater samples confirm that tetrachloroethylene contamination has reached the aquifer.

Assessment of Health Problems:

High levels of dry-cleaning solvents (tetrachloroethene) have been detected in groundwater from on-site monitoring wells. Evidence suggests the plume has migrated off-site. Several public water supply wells in the area are contaminated with the same compounds as found on the site. These wells are currently out of service or are treated to remove contaminants. No private drinking water supply wells are known to be in use near the site. Indoor air samples collected at the on-site building in June 2000 contained elevated levels of tetrachloroethene. However, this contamination may be attributable to products currently used within the building. Interim remedial measures consisting of soil removal, installation of a vapor barrier beneath the building, and installation of a soil vapor extraction system at the site have reduced the potential for contaminant migration and human exposure. The entire site is paved, so contact with contaminated soil is unlikely.

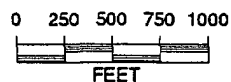
SYL00115327



Site Location Map

130072 Stanton Cleaners

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000

April 1, 2002



County: Nassau

SYL00115328

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Stanton Cleaners		Site Code: 130072	
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD047650197
Address: 110 Cutter Mill Road / Great Neck, NY 11021			
Latitude: 40° 46' 55"		Longitude: 73° 43' 59"	
Site Type: Structure		Estimated Size: 0.25 Acres	
Site is on the EPA - National Priorities List.			

Site Owner / Operator Information:

Current Owner(s) Name: John Maffei
Current Owner(s) Address: 8526 Edgerton Boulevard / Jamaica Estates, NY 11432
Owner(s) during disposal: Alan Greenburg
Operator(s) during disposal: Alan Greenburg
Stated Operator(s) Address: 110 Cutter Mill Road / Great Neck, NY 11021
Hazardous Waste Disposal Period: From: 1950s To: 1985

Site Description:

In 1983, a Nassau County Municipal Supply Well was found to contain low levels of tetrachloroethylene (PCE). The Nassau County Department of Health (NCDOH) conducted a survey of the surrounding area to determine a source or sources of the PCE. An inspection of Stanton Cleaners, located 1,000 feet northwest of the supply well revealed an overflow pipe which occasionally discharged PCE contaminated water to the soil behind the building. Soil samples taken from beneath the pipe indicated PCE contamination at extremely high levels. In 1983, the discharge was stopped and about seventy 55-gallon drums of contaminated soil were removed from the site, but PCE was still found in samples taken by NCDOH after the removal. In 1985, groundwater wells were installed downgradient of the site. Later sampling of these wells indicated heavy contamination with PCE. In 1989 the PRP began operating a pump-and-treat system to remediate the contaminated groundwater, however, this system worked only intermittently until it was repaired in 1998. A Remedial Investigation/Feasibility Study (RI/FS) Workplan was developed and RI fieldwork was completed in October 1998. Preliminary data strongly suggests that Stanton Cleaners is a significant source of the contamination found at the Water Authority of Great Neck North (WAGNN) public supply wells on Watermill Lane. The air stripper which treats drinking water from these supply wells failed in November 1997. The DEC funded the replacement/upgrade of this stripper. The new stripper went on line in August 1998. EPA funded an IRM at the site to address the on-site contaminated soil. This SVE system began operating in February 1999. The site was nominated to the NPL on January 19, 1999. A Federal ROD was signed on March 31, 1999. EPA conducted a remedial design for the groundwater and the final design was approved on March 30, 2001. A groundwater pump and treat system was installed and it began operating in September 2001. To date, over 4 million gallons of water, averaging 5ppm, have been treated.

Confirmed Hazardous Waste Disposal:
Tetrachloroethylene {(PCE or "perc.") (F002)}

Quantity:
unknown

Analytical Data Available for:	Air Groundwater Soil
Applicable Standards Exceeded in:	Groundwater Drinking Water
Geotechnical Information:	Depth to
Soil/Rock Type: Sand and gravel with silt and clay lenses.	Groundwater: Range: 70 to 75 feet.
Legal Action: Type:	Status:
Remedial Action: In Progress	Nature of action: Air stripper & SVE system + GW pump & treat.

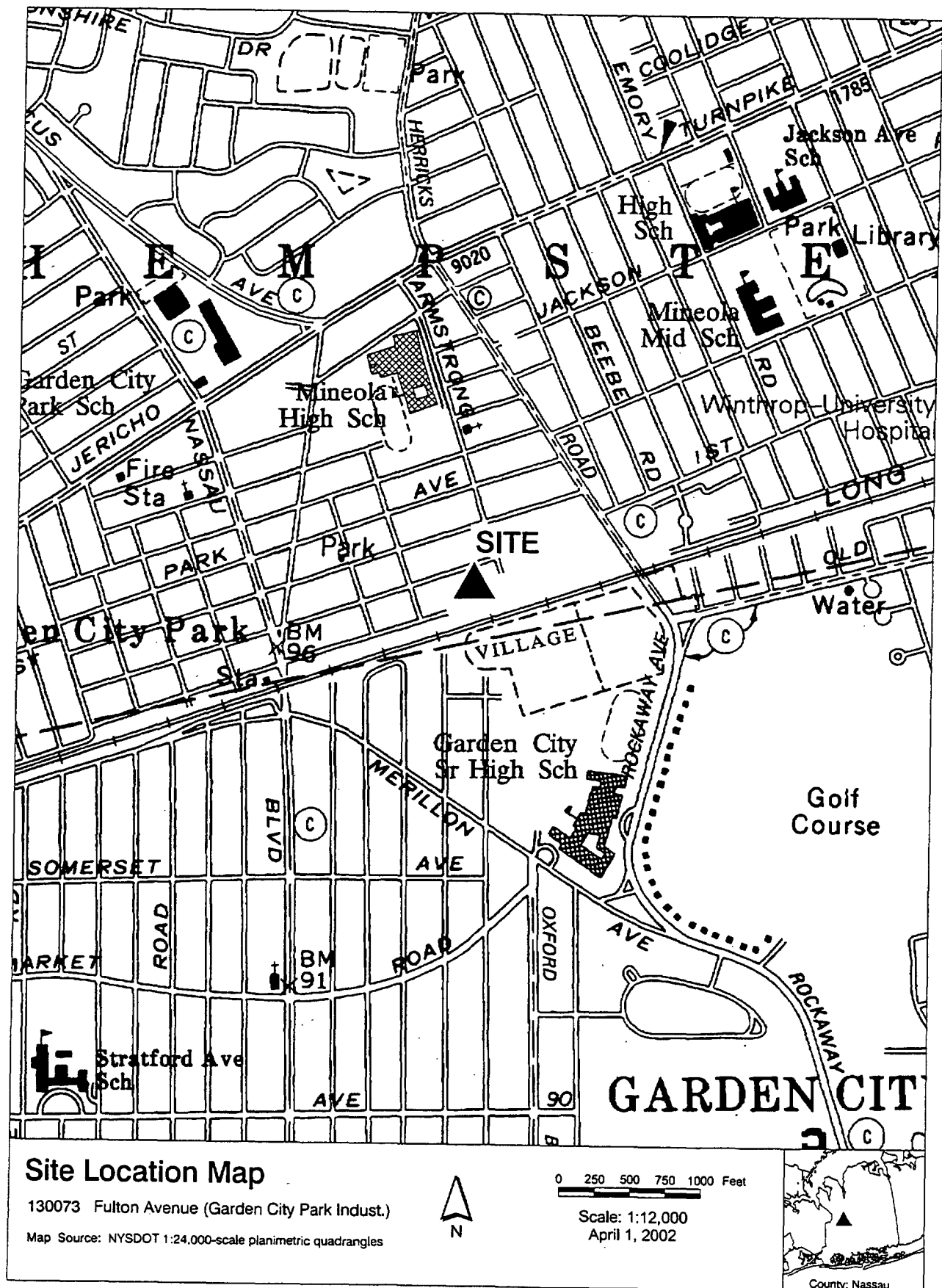
Assessment of Environmental Problems:

Groundwater, soils and indoor air are contaminated with tetrachloroethylene (PCE) from past site operations. A public water supply well downgradient of the site has been contaminated and indoor air has been impacted in some adjacent buildings.

Assessment of Health Problems:

In 1983, tetrachloroethene was detected in a nearby municipal water supply well. The water from the municipal well is treated to remove VOCs. The remedial investigation has confirmed that Stanton Cleaners is a significant source of the contamination in the municipal supply well. A groundwater treatment system was recently installed to reduce the amount of VOCs impacting the municipal wellfield. Indoor air contamination with tetrachloroethene at concentrations above NYSDOH guidelines was documented in several neighboring buildings. Installation of interim remedial measures has reduced the concentrations in indoor air. A vapor extraction system at the site continues to remove the subsurface source of the contamination. Air monitoring will continue in affected buildings to ensure that remedial measures are effective.

SYL00115329



SYL00115330

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name:	Fulton Avenue (Garden City Park Indust.)	Site Code:	130073
Class Code:	2	Region:	1
		County:	Nassau
Address:	150 Fulton Avenue / Garden City Park, NY 11040	EPA Id:	NY0000110247
Latitude:	40° 44' 15"	Longitude:	73° 39' 22"
Site Type:	Structure	Site is on the EPA - National Priorities List.	
		Estimated Size:	0.8 Acres

Site Owner / Operator Information:

Current Owner(s) Name: **Gordon Atlantic Corporation**
Current Owner(s) Address: **1 Jericho Turnpike / Garden City Park, NY 11040**
Owner(s) during disposal: **unknown**
Operator(s) during disposal: **Genesco, Inc.**
Stated Operator(s) Address: **PO Box 731 / Nashville, TN 372020731**
Hazardous Waste Disposal Period: **From: 1964 To: 1976**

Site Description:

This facility is located in the Garden City Park Industrial Area in North Hempstead. The NCDOH identified the Garden City Park Industrial Area as a possible source of groundwater contamination in its "Investigation of Contaminated Aquifer Segments, Nassau County, New York" report released in 1986. A subsequent investigation done by the Nassau County Department of Health and the County Department of Public Works identified a significant plume of PCE (at levels up to 51,210 ppb) and other semivolatile organics in the groundwater. A PSA completed in 1994 identified the facility at 150 Fulton Avenue as the source for the PCE and its daughter products. Historical information suggests that a former occupant of this facility used PCE in cutting mill operations. In 1995, environmental sampling confirmed the presence of high levels of PCE in the sediments found in a dry well at the site. It is speculated that these contaminated sediments served as the primary source for the identified groundwater contamination attributable to this site. Seventeen public water supply wells may have been or are currently being impacted by the associated plume of contamination. Impacted wells have either been removed from service or have had treatment systems installed to meet drinking water standards. The plume of contamination appears to have migrated as far as five miles downgradient of the source. The Village of Garden City has installed a treatment system on one of their other impacted supply wells and has been reimbursed through a State Superfund Grant. The soil vapor extraction/air sparging system IRM was shut down in December 2001. The responsible party is funding a RI/FS at the site. The field work for this study began in mid-December 1998 and is essentially complete. This site was nominated to the NPL in March 1997 and became a Federal Superfund Site effective April 1, 1998.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene {(PCE or "perc.") (F002)}

Quantity:

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:	Depth to	
Soil/Rock Type: Sand.	Groundwater: Range: 35 to 40 feet.	
Legal Action: Type: State Consent Order -RI/FS	Status: Order Signed	
Remedial Action: In Progress Complete	Nature of action: IRM-Air stripper & soil vapor extraction system.	

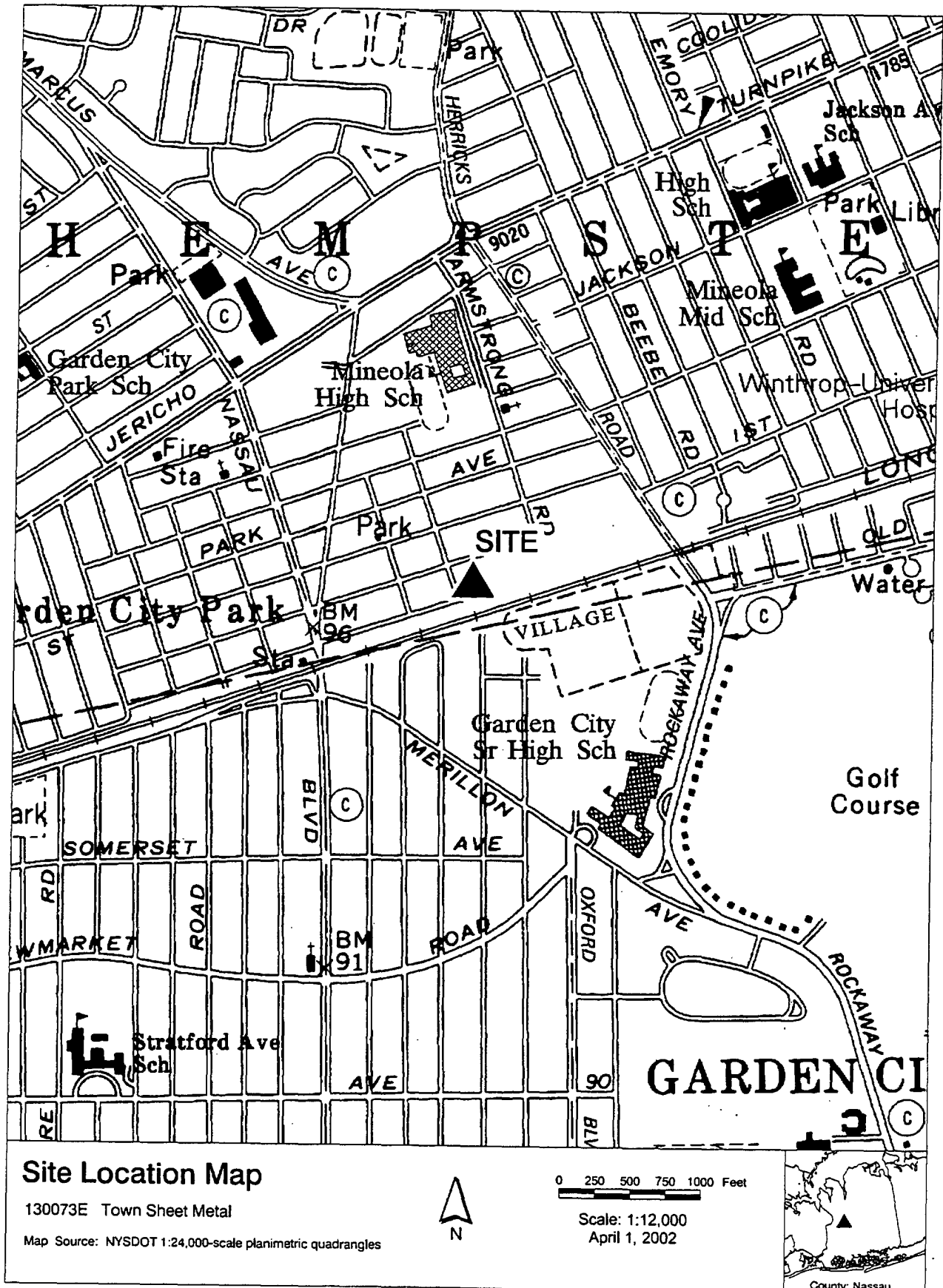
Assessment of Environmental Problems:

The soil and groundwater is heavily contaminated with VOCs and the contaminant plume has impacted public water supply wells.

Assessment of Health Problems:

Volatile Organic Compounds (VOCs) were detected in groundwater downgradient from the site at concentrations as high as 50 parts per million (ppm). Contaminants have been detected in seventeen public supply wells within a few miles of the site; however, not all of these are believed to have been contaminated from the 150 Fulton Avenue site. Affected wells are either treated to meet drinking water standards or not presently used. A soil gas survey directly above the most highly contaminated groundwater did not reveal any potential for soil vapors to affect basements over the plume. Soil samples from nearby properties did not indicate surficial contamination. Contaminants are limited to the subsurface, the property is paved, and the site is within an industrial area. Excavation followed by soil vapor extraction at the source area has greatly reduced the amount of tetrachloroethene on-site.

SYL00115331



SYL00115332

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Town Sheet Metal	Site Code: 130073E
Class Code: 3 Region: 1 County: Nassau	EPA Id:
Address: 246 Broadway Avenue / Garden City Park, NY 11040	
Latitude: 40° 44' 14" Longitude: 73° 39' 25"	
Site Type: Structure	Estimated Size: 0.4 Acres

Site Owner / Operator Information:	
Current Owner(s) Name: Mark H. Stransky	
Current Owner(s) Address: 246 Broadway Avenue / Garden City Park, NY 11040	
Owner(s) during disposal: Gordon Broadway Corporation	
Operator(s) during disposal: Town Sheet Metal	
Stated Operator(s) Address: 246 Broadway Avenue / Garden City Park, NY 11040	
Hazardous Waste Disposal Period: From: 1975 To: 1985	

Site Description:

This property consists of a one-story, 11,200 square foot masonry building which houses an active heating, ventilation and air conditioning contractor (Conair) in the front (northern) portion and a snack food distributor (Bonaire) in the rear (southern) portion. The rear portion of the building was occupied by Town Sheet Metal Works, Inc. from 1975 until September 1985. Operations at the site reportedly involved fabrication of sheet metal, particularly duct work. A 1986 NCDH report identified regional groundwater contamination in the Garden City Park Industrial Area (GCPIA). The plume consisted of volatile organic compounds (VOCs), predominantly chlorinated solvents, including tetrachloroethene (PCE), trichloroethene (TCE), 1,2-dichloroethene (1,2-DCE) and 1,1,1-trichloroethane (TCA). A follow-up investigation by NCDH and the Nassau County Department of Public Works (NCDPW) in 1993 confirmed elevated VOCs, in particular PCE, in groundwater within the GCPIA. In 1994, an area-wide Preliminary Site Assessment (PSA) was performed in the GCPIA, to identify potential sources of the VOC contamination. The results of sampling conducted during that investigation led the NYSDEC to conduct PSAs in 1995 at four facilities that had been identified as potential sources. Samples collected from locations upgradient of the Town Sheet Metal facility contained PCE, TCE, and TCA concentrations ranging from below detection limits (BDL) to 8.2, 1.2 and 3.6 micrograms per liter (ug/l) respectively. No upgradient samples contained 1,2-DCE. Downgradient samples for PCE, TCE and 1,2-DCE ranged from BDL to 9.6, 1.8 and 2.4 ug/l, but TCA ranged from 4.7 to 59 ug/l. The similar upgradient and downgradient PCE, TCE and 1,2-DCE results implied that there was an upgradient source for these compounds. The distribution of TCA, however, suggested that there was a source in the vicinity of the Town Sheet Metal Site. In the 1999 focused PSA, which was conducted in response to the 1995 PSA, TCA was detected in two on-site sediment samples and was again found at higher levels in downgradient versus upgradient groundwater.

Confirmed Hazardous Waste Disposal:

1,1,1-trichloroethane (F001 Waste)

Quantity:

Unknown

Analytical Data Available for:	Groundwater Sediment
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	
Soil/Rock Type: Fine to coarse sand and gravel mixed with silt.	Depth to Groundwater: Range: 35 to 40 feet.
Legal Action: Type:	Status:
Remedial Action:	Nature of action:

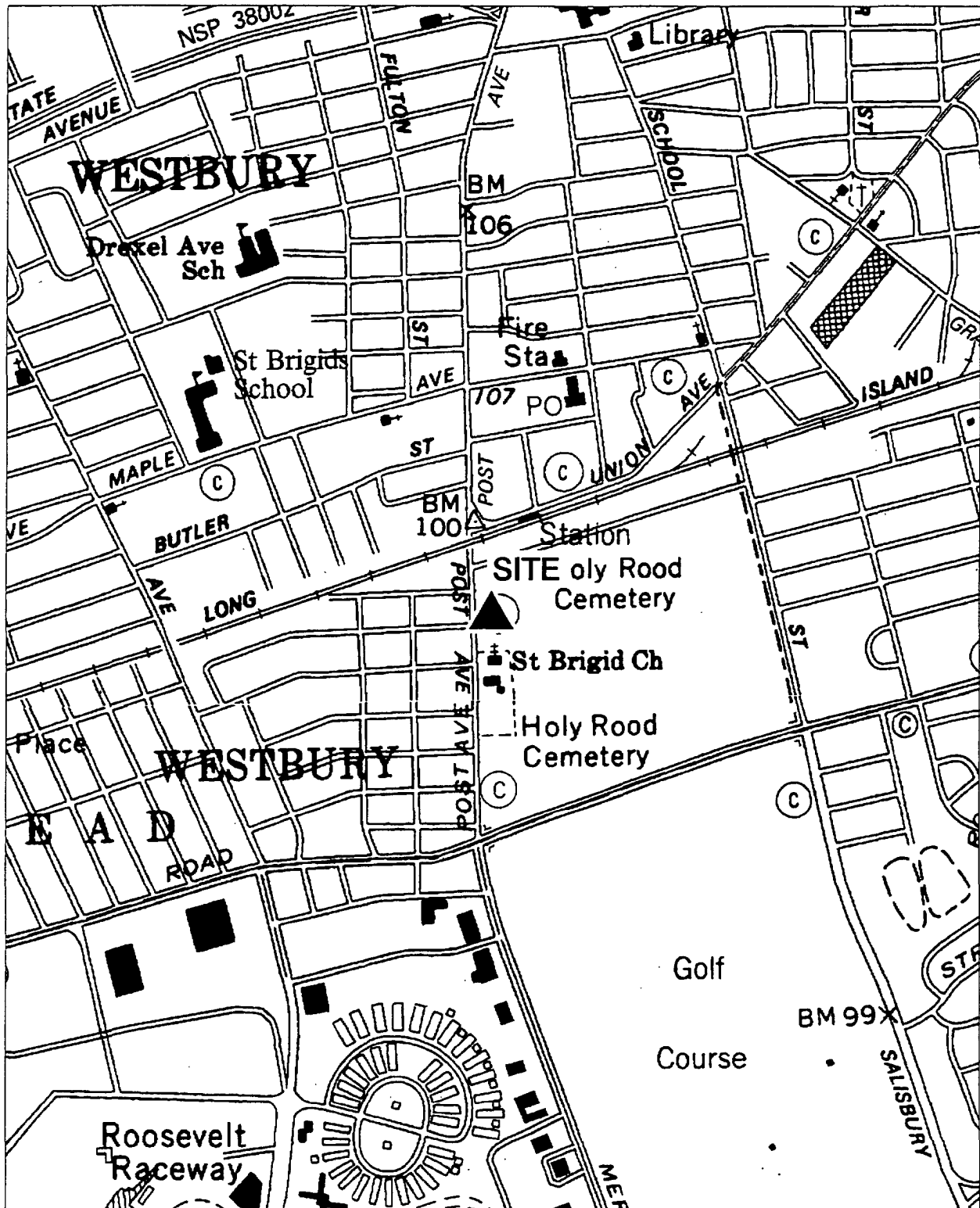
Assessment of Environmental Problems:

Both sediment and groundwater data indicate that 1,1,1-trichloroethane was disposed at this facility in the past. However, the levels are relatively low and do not present a significant threat.

Assessment of Health Problems:

There is some evidence that volatile organic compounds (VOCs) were discharged into on-site drains. Only very low concentrations of contamination remain and they do not present a threat to public health. Groundwater at the site has been contaminated with VOCs at concentrations slightly above groundwater standards. A large VOC contaminant plume from the nearby 150 Fulton Avenue site and other sources is present downgradient from this site. Public water supply wells in the area of this larger regional contaminant plume are monitored for VOCs and treated if necessary.

SYL00115333



Site Location Map

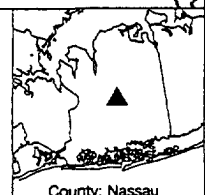
130074 Bartlett Tree Company

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



SYL00115334

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Bartlett Tree Company		Site Code: 130074	
Class Code: 2	Region: 1	County: Nassau	EPA Id: NY0001408749
Address: 345 Union Avenue / New Cassel, NY 11590			
Latitude: 40° 45' 6"		Longitude: 73° 35' 14"	
Site Type: Structure		Estimated Size: 0.4 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **FA Bartlett Tree Expert Company**
 Current Owner(s) Address: **PO Box 3067 / Stamford, CT 06905**
 Owner(s) during disposal: **FA Bartlett Tree Expert Company**
 Operator(s) during disposal: **Bartlett Tree Company**
 Stated Operator(s) Address: **345 Union Avenue / New Cassel, NY 11590**
 Hazardous Waste Disposal Period: **From: 1950s To: 1983**

Site Description:

The Bartlett Tree Company consists of the original parcel of property (Lot 206), active and used by the company since the mid 1950s, plus a small strip of land running the length of the original property (Lot 786) on the west side purchased in the mid 1990s. The main building, a two-story brick and masonry structure, located at the south end of the site is the office. Midway along the eastern side of the property are two adjoining buildings: a garage where large equipment is stored and to the north, a fireproof shed with concrete floor where the pesticides are stored. At the north end of the property is a one-sided open shed where large mechanical equipment is stored. In 1990, the Region 1 office received an anonymous phone call reporting that pesticides were dumped into a dry well at the site. Specific pesticides and herbicides were named, including Malathion, DDT, Sevin, chlordane and lead spray for fruits. It was reported that from the mid 1950s until 1983 between 200 and 300 gallons of spray were periodically dumped into the dry well. The dry well was then allegedly filled with empty 5-gallon metal pesticide containers, covered with a metal manhole cover and paved over with asphalt. Previously, in 1987, representatives from Bartlett Tree Expert Company visited this site to investigate a 1987 report of an abandoned "cistern" that held empty pesticide containers. They found that the cistern was partially filled with water which they sampled and two pesticide containers (empty, crushed 5-gallon metal pails of Sevin). The herbicide diazinon was detected in the sample of standing water taken at a concentration of 0.61 ppm. Based on these results, the company determined that "the residue levels detected did not represent a level that could be considered harmful to human health or the environment." After their inspection, they had the dry well backfilled with sand. A PSA was performed in 1996 which revealed that eight different pesticides were found beneath the dry well at levels that exceed the NYS Part 703 Class GA Groundwater Standards. Several chlorinated solvents (DCE, TCE, PCE) were found both upgradient and downgradient of the site suggesting an off-site source.

Confirmed Hazardous Waste Disposal:

Deldrin
 Endrin
 Alpha-Chlordane
 4,4-DDD
 4,4-DDT
 Gamma - BHC (Lindane)

Quantity:

unknown
 unknown
 unknown
 unknown
 unknown
 unknown

Analytical Data Available for:	Groundwater	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater		
Geotechnical Information:		Depth to	
Soil/Rock Type: Silt, sand and gravel.		Groundwater: Range: 35 to 40 feet.	
Legal Action: Type:		Status:	
Remedial Action:		Nature of action:	

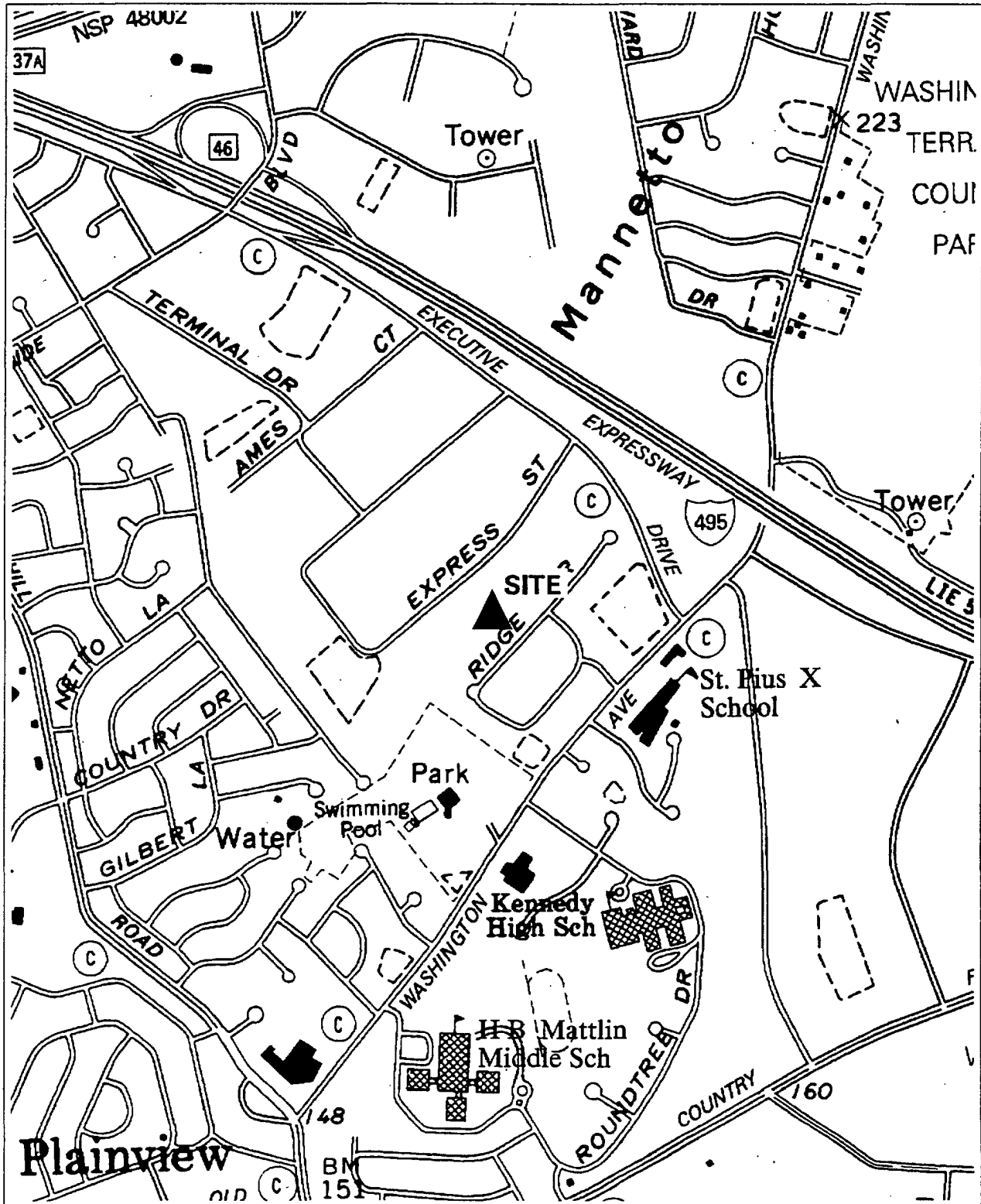
Assessment of Environmental Problems:

Groundwater samples taken from the shallow aquifer at dry well DW-1, were found to be contaminated with pesticides that exceed NYSDEC Class GA groundwater standards. Soil samples taken from under DW-1 were found to be contaminated with the same pesticides as found in the groundwater. This site lies over a sole-source aquifer.

Assessment of Health Problems:

Groundwater at the site is contaminated with pesticides in what appears to be a relatively localized area. There are no known users of groundwater in the immediate vicinity. Residual contamination is beneath the surface; therefore, exposure to site contaminants is not expected for the on-site workers.

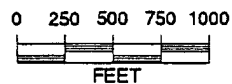
SYL00115335



Site Location Map

130075 100 Commercial Street

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000

April 1, 2002



County: Nassau

SYL00115336

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: 100 Commercial Street			Site Code: 130075
Class Code: 2a	Region: 1	County: Nassau	EPA Id: NY000119411
Address: 100 Commercial Street / Plainview, NY 11803			
Latitude: 40° 47' 15"		Longitude: 73° 27' 45"	
Site Type: Structure		Estimated Size: 3.5 Acres	

Site Owner / Operator Information:
Current Owner(s) Name: Commercial One Hundred Association
Current Owner(s) Address: 95 Hopper Street / New Cassel, NY 11590
Owner(s) during disposal: Commercial One Hundred Association
Operator(s) during disposal: unknown
Stated Operator(s) Address:
Hazardous Waste Disposal Period: From: unknown To: unknown

Site Description:

The site consists of a 72,000 square foot one-story warehouse built in 1961. It is located in an industrialized section of Plainview. An environmental audit revealed gross contamination of an on-site leaching pool, and subsurface soil contamination. Soil samples collected in March 1993 revealed tetrachloroethane at 48,170 ppm and trichloroethane at 932 ppm. On-site groundwater had been found to contain up to 390 ppb of PCE. A Voluntary Cleanup Agreement has been executed. Under this agreement a soil vapor extraction/air sparging system is being utilized to remediate on-site soil and groundwater. A site summary/closure report has been submitted and is under review by the NYSDEC and NYSDOH.

Confirmed Hazardous Waste Disposal:

Tetrachloroethane (F002 Waste)

Trichloroethane (F002 Waste)

Quantity:

unknown

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:		Depth to
Soil/Rock Type: Sand.		Groundwater: Range: 80 to 100 feet.

Legal Action: Type: State Voluntary Order	Status: Negotiations in Progress
Remedial Action: In Progress	Nature of action: SVE/AS soil & groundwater.

Assessment of Environmental Problems:

Soils within an on-site leaching pool have been contaminated with chlorinated solvents. On-site groundwater has also been contaminated. The remediation of on-site groundwater and on-site soil is being addressed through the application of AS/SVE.

Assessment of Health Problems:

Groundwater at the site is contaminated with volatile organic compounds (VOCs). Groundwater flows in an east-southeasterly direction from the site. No water supply wells are in the in the downgradient direction. An on-site remedial measure to remove VOC contaminants from groundwater and soil is presently in progress. Contaminated soils are primarily subsurface and therefore direct contact exposures are not likely to occur. Indoor air testing for tetrachloroethene, the primary VOC contaminant at the site, did not indicate impacts to the on-site building.

SYL00115337



SYL00115338

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Jimmy's Dry Cleaner			Site Code: 130080
Class Code: 2	Region: 1	County: Nassau	EPA Id:
Address: 61 Nassau Road / Roosevelt, NY 11575			
Latitude: 40° 40' 45"		Longitude: 73° 35' 29"	
Site Type: Structure		Estimated Size: 1 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Estate of James E. Lawrence
Current Owner(s) Address: 61 Nassau Road / Roosevelt, NY 11575
Owner(s) during disposal: James E. Lawrence
Operator(s) during disposal: James E. Lawrence
Stated Operator(s) Address: 61 Nassau Road / Roosevelt, NY 11575
Hazardous Waste Disposal Period: From: unknown To: 1995

Site Description:

This site is located in an industrial/residential area of flat topography in Roosevelt. The nearest water supply is approximately 1,750 feet Northwest of the site and the nearest water body is Middle Bay, approximately 15,000 feet south. An investigation of this site was conducted in the spring of 1994 by a bank that was planning to foreclose on the property. A visual inspection by the bank's engineer revealed spent tetrachloroethylene (PCE) filter cartridges stacked without containment along the northern wall of the building. Located next to the filters was a piece of dry cleaning equipment with a self-contained PCE tank that had apparently leaked an unknown quantity of spent PCE to the ground. Groundwater and soil samples taken outside the northern wall have revealed high levels of PCE. Groundwater samples also showed PCE in high levels. The owner of the facility was charged in February 1996 for the criminal discharge of hazardous waste (PCE) at the property for a period of 5 years. A Remedial Investigation/Feasibility Study (RI/FS) could not begin until the criminal proceedings were completed. The owner passed away in March 1999. In November 1999, an off-site groundwater investigation was done to determine the general dimensions of the PCE plume. The plume was tracked 2,000 feet to the SSW side of the site, however, the full extent of the plume's migration was not delineated. IT Group was selected as the standby consultant to perform the RI/FS. The draft RI/FS work plan was given conditional approval on July 12, 2001. IT Group began the RI/FS field work on August 6, 2001. Analysis of soil gas, soil and groundwater samples has confirmed the presence of PCE contamination both on site and off site. The general direction (south) and the extent of the PCE contaminated plume (narrow) has been determined.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene {(PCE or "perc.") (F002)}

Quantity:

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Sand and gravel.		Groundwater: Range: 10 to 15 feet.
Legal Action: Type:	Status:	
Remedial Action:	Nature of action:	

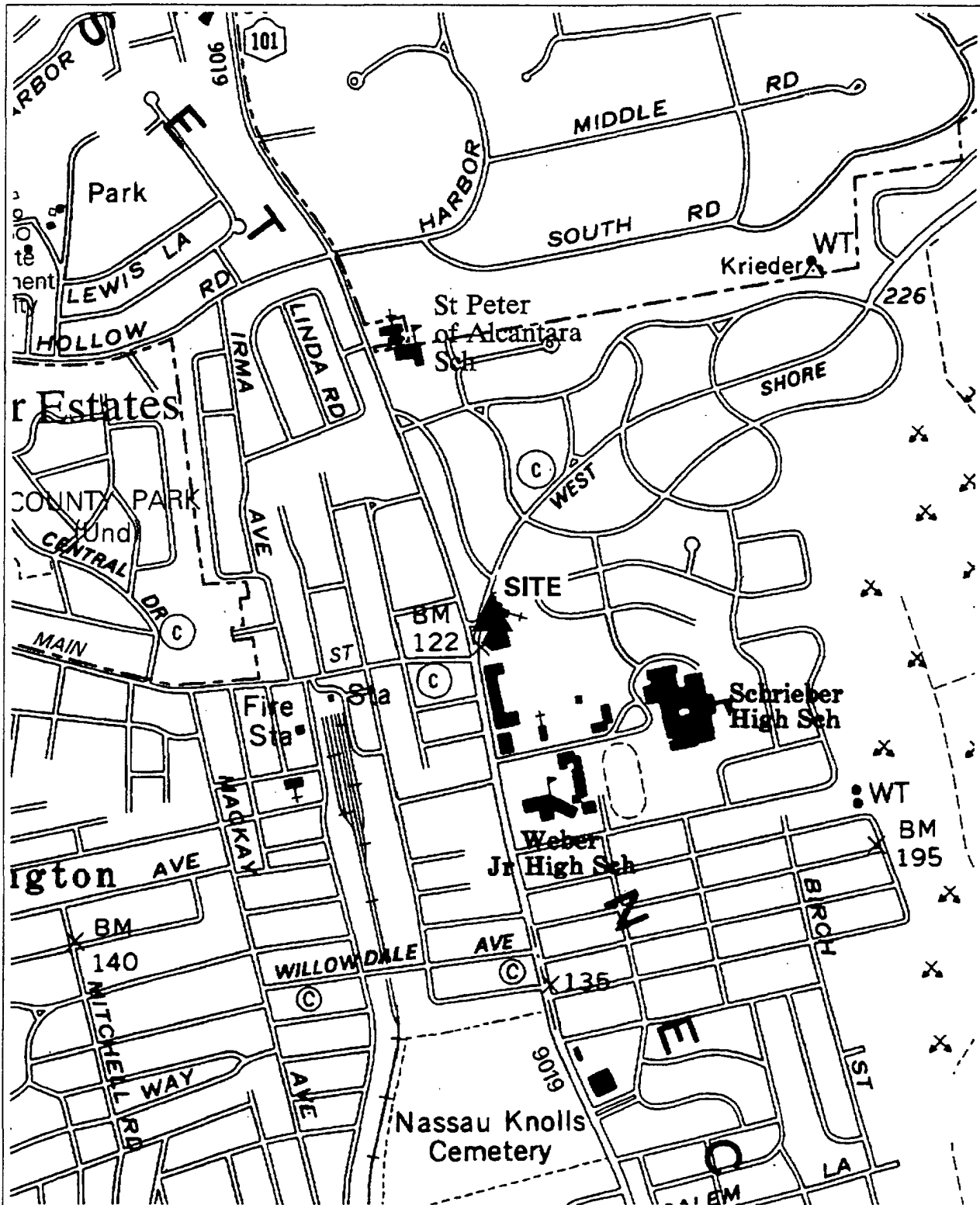
Assessment of Environmental Problems:

Past site operations and poor housekeeping practices have led to contamination of on-site soils and groundwater with tetrachloroethylene. A preliminary off-site groundwater investigation was performed in November 1999. An RI/FS investigation is required in order to determine the extent of the contamination.

Assessment of Health Problems:

Contamination of groundwater at the site has been documented. The nearest downgradient public water supply well is approximately one and one-half miles from the site. The well is monitored to ensure that water quality is in compliance with drinking water standards. The site is not fenced. Three residences adjoin the rear of the property and a deli is adjacent to the facility. Indoor air testing did not indicate impacts to surrounding homes and businesses; indoor air quality in the adjacent deli has improved since removal of on-site dry cleaning equipment. Additional investigation is necessary to evaluate the extent of soil, soil vapor, and groundwater contamination at and around the site. Exposure pathways will be re-evaluated as additional environmental data are collected.

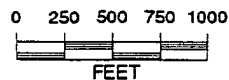
SYL00115339



Site Location Map

130081 Former Munsey Cleaners

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Nassau

SYL00115340

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Former Munsey Cleaners			Site Code: 130081
Class Code: 2	Region: 1	County: Nassau	EPA Id:
Address: 1029 Port Washington Boulevard / Port Washington, NY 11050			
Latitude: 40° 49' 54"		Longitude: 73° 41' 2"	
Site Type: Structure		Estimated Size: 0.25 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Montfort Trust/API Management Company
Current Owner(s) Address: 44 South Bayless Avenue / Port Washington, NY 11050
Owner(s) during disposal: Montfort Trust/API Management Company
Operator(s) during disposal: Ron Bieber
Stated Operator(s) Address: 1005 Port Washington Boulevard / Port Washington, NY 11050
Hazardous Waste Disposal Period: From: 1947 To: 1994

Site Description:

The site is a commercial building constructed in 1947 and was used for dry cleaning operations until 1994. A sediment sample taken by the DEC from a basement sump during the summer of 1994 revealed contamination by the dry cleaning solvent tetrachloroethene (PCE). A follow-up site inspection and sampling visit by the Nassau County Department of Health confirmed the disposal of a consequential quantity of hazardous waste. The building was also found to have been used for chemical storage. A sample of the dirt floor from the basement was found to contain 2,200 ppm of tetrachloroethene. Sediment samples taken from a basement floor drain and the sump were also found to be significantly contaminated. A Potentially Responsible Party (PRP) signed a Consent Order for a Preliminary Site Assessment (PSA) and Interim Remedial Measure (IRM). The PSA and the IRM for soil have been completed. The IRM consisted of the removal of much of the contaminated soil from the basement with the remaining contaminated soil being remediated by a Soil Vapor Extraction System (SVE). The IRM SVE System operation was completed in 1998. A Phase 1 Remedial Investigation (RI) Consent Order was signed in October 1999. The field work was completed in January 2001. Indoor air monitoring showed PCE in the basement above guidelines. A ventilation system has been installed and is in operation. A Phase II RI will be completed to identify the source of the indoor air problem. A supplemental consent order for the Phase II RI and an FS are in negotiation.

Confirmed Hazardous Waste Disposal:
Tetrachloroethene (F002 Waste)

Quantity:
unknown

Analytical Data Available for:	Air Groundwater Soil
Applicable Standards Exceeded in:	Groundwater Air
Geotechnical Information:	Depth to
Soil/Rock Type: Sand.	Groundwater: Range: 30 to 35 feet.
Legal Action: Type: State Consent Order	Status: Order Signed
Remedial Action: In Progress	Nature of action: Soil vapor extraction system.

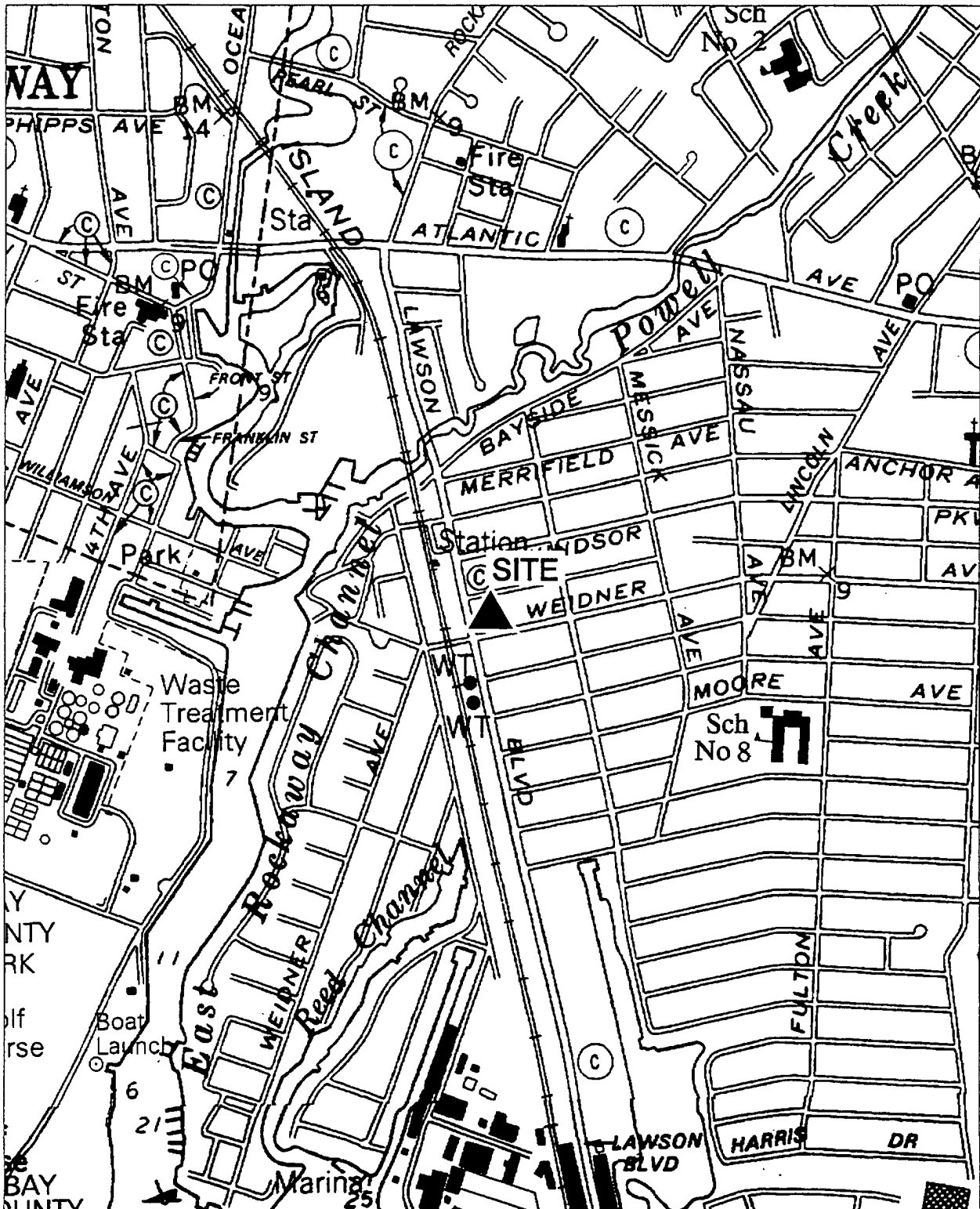
Assessment of Environmental Problems:

The sole source aquifer underlying the site is threatened by the migration of tetrachloroethene from the building's basement.

Assessment of Health Problems:

Indoor air samples collected in August 2000 in a portion of the on-site building contained levels of tetrachloroethene that exceeded the New York State Department of Health Guideline for Tetrachloroethene in Indoor Air. A ventilation system was installed and levels of tetrachloroethene are now below the guideline. Periodic sampling will be conducted to confirm continued effectiveness of the system. Additional investigations are underway to determine the source of the vapors. Soils contaminated with tetrachloroethene were beneath the basement of the site and were removed during an interim remedial measure in 1997. Access to the site is restricted and direct exposure to soils is unlikely. Groundwater is contaminated at levels above the drinking water standard. A public drinking water supply well is 2000 feet to the southeast; however, routine testing has not detected any contamination. A private well survey has not been done, but public drinking water is available to all nearby residents.

SYL00115341



Site Location Map

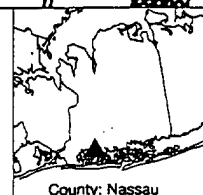
130083 Hercules Machine Sales Company

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



SYL00115342

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Hercules Machine Sales Company	Site Code: 130083		
Class Code: 2	Region: 1	County: Nassau	EPA Id:
Address: 3188 Lawson Boulevard / Oceanside, NY 11572			
Latitude: 40° 38' 3"		Longitude: 73° 39' 11"	
Site Type: Structure		Estimated Size: 0.25 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: David and Janice Goldman
Current Owner(s) Address: 68-37 Yellowstone Boulevard / Forest Hills, NY 11375
Owner(s) during disposal: David and Janice Goldman
Operator(s) during disposal: Hercules Machine Sales Company
Stated Operator(s) Address: 3188 Lawson Boulevard / Oceanside, NY 11572
Hazardous Waste Disposal Period: From: unknown To: present

Site Description:

This company is a supplier of new dry cleaning machines. The company also takes in used machines. Activated carbon, which is used in dry cleaning machines, was found on the ground on May 2, 1995. Soil samples taken from this area revealed significant contamination by tetrachloroethylene (F001 Waste). This facility is located adjacent to the Railroad Drive-In Cleaners, site I.D. No. 130066. Groundwater wells downgradient of this facility, which are also downgradient of Railroad Drive-In Cleaners, show significantly elevated levels of tetrachloroethylene and its breakdown products. A significant threat exists because, based on soil sampling data from this site and groundwater sampling data from the adjacent facility, contaminants from this site have impacted a sole-source aquifer. Specifically, tetrachloroethylene has been detected at up to 1,400 ppm in on-site soils and at up to 28,000 ppb in groundwater.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene (F001)

Quantity:

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:	Depth to	
Soil/Rock Type: Sand.	Groundwater: Range: 1 to 5 feet.	
Legal Action: Type:	Status:	
Remedial Action:	Nature of action:	

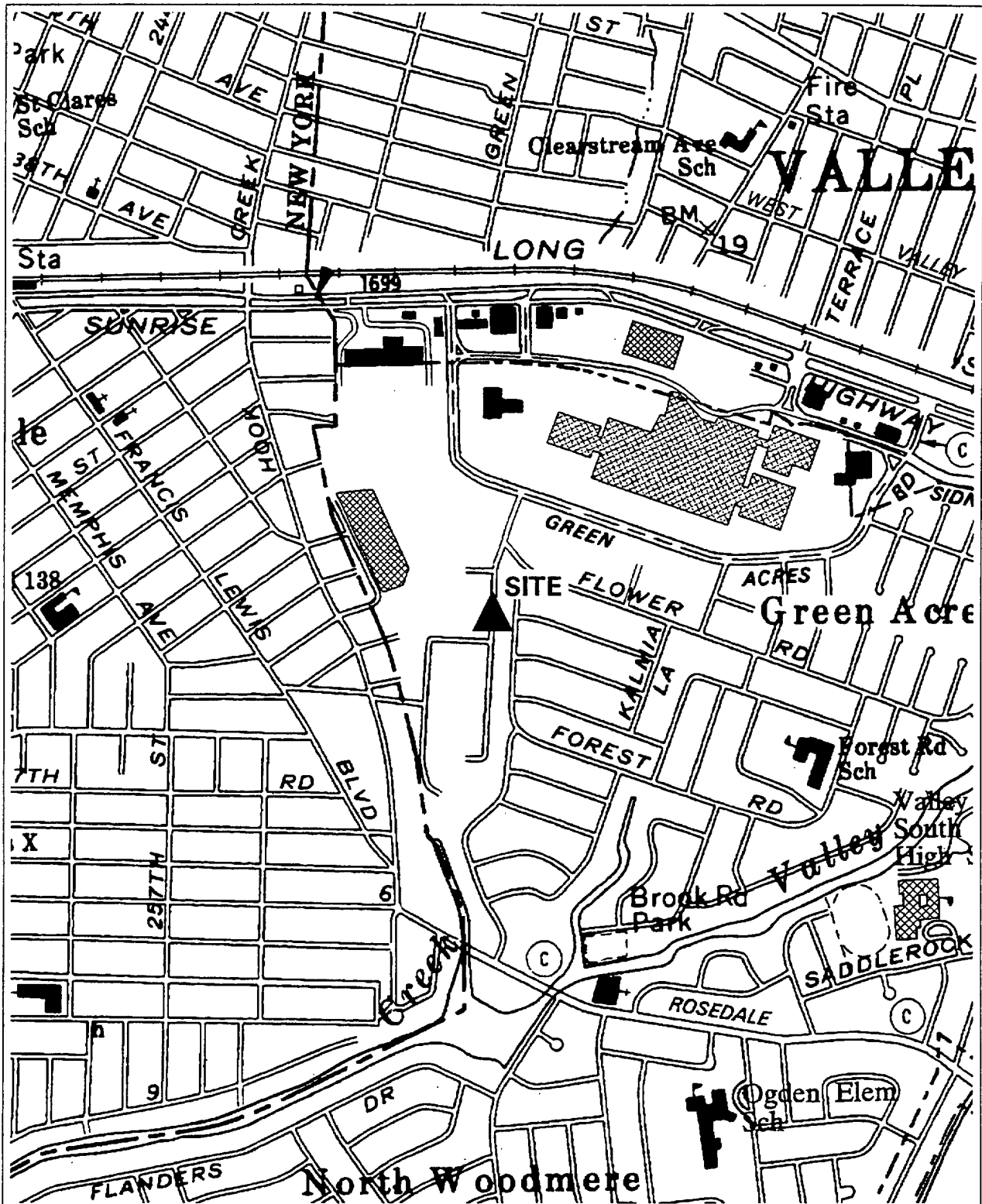
Assessment of Environmental Problems:

Past site operations have contaminated the soils and the groundwater within a sole-source aquifer at the site with tetrachloroethylene.

Assessment of Health Problems:

Contaminated soils exist on-site due to the improper disposal of waste material behind the facility. The material was removed and the majority of contaminated soil is paved over with concrete. The site has controlled access. Low soil vapor levels were found in on-site soils. Off-site soil vapor testing has not been performed to assess the potential for impacts to indoor air quality at nearby dwellings. Downgradient groundwater monitoring wells, which are also downgradient of Railroad Drive-in Cleaners (site #130066), are contaminated with tetrachloroethene at levels above New York State standards for public drinking water supplies. Public drinking water is supplied to the area. The nearest public drinking water supply wells are located to the north (groundwater flow is to the west) and have not been affected by site-related contaminants. No private drinking water supply wells have been identified downgradient of the site.

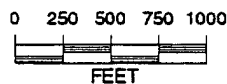
SYL00115343



Site Location Map

130084 101 Green Acres Road Site

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



SYL00115344

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: 101 Green Acres Road Site	Site Code: 130084
Class Code: 4 Region: 1 County: Nassau	EPA Id:
Address: 101 Green Acres Road / Valley Stream, NY 11581	
Latitude: 40° 39' 35" Longitude: 73° 43' 26"	
Site Type: Structure	Estimated Size: 7.2 Acres

Site Owner / Operator Information:

Current Owner(s) Name: The Home Depot Company
Current Owner(s) Address: 3096 Hamilton Boulevard / South Plainfield, NJ 07080
Owner(s) during disposal: Bulova Technologies, Inc.
Operator(s) during disposal: Bulova Technologies, Inc.
Stated Operator(s) Address: 1 Bulova Way / Woodside, NY 11377
Hazardous Waste Disposal Period: From: 1948 To: 1993

Site Description:

Bulova Industries operated a manufacturing facility at this location between 1948 and 1993. Activities in general involved the distribution of jewel assemblies for watches, distribution of radio assemblies and the handling/distribution of quartz crystals for various time pieces. Other activities during that time period included the machining of metal components and the soldering of electronic circuit boards during the manufacture of various TNT loaded fuses for the military. These military related operations involved a degreasing step and required the use of various chlorinated solvents. The degreasing processes were accomplished in the southern end of building #2. Incidental spills or releases of fresh or spent solvent solutions have resulted in the contamination of the soils near the south end of building #2 and east of building #1. Contaminated soils have been removed from this site, however, the groundwater has been contaminated with trichloroethene up to 800 ppb, 1,1,1-trichloroethane up to 16,000 ppb, 1,1-dichloroethane up to 340 ppb, 1,1-dichloroethene up to 3,000 ppb and 1,2-dichloroethene up to 84 ppb. A Home Depot Company Retail store currently occupies the facility. Additional investigations have been conducted which show that the groundwater contamination is decreasing. A no further remedial action Record of Decision was issued on March 31, 2000. Components of the remedy include on-site and off-site groundwater monitoring and a deed restriction prohibiting use of on-site groundwater.

Confirmed Hazardous Waste Disposal:

Chlorinated Solvents (F001)

Quantity:

unknown

Analytical Data Available for: Air Groundwater Soil	
Applicable Standards Exceeded in: Groundwater	
Geotechnical Information:	Depth to
Soil/Rock Type: Sand, gravel and clay.	Groundwater: Range: 1 to 5 feet.
Legal Action: Type: State Consent Order -OM&M	Status: Order Signed
Remedial Action: Complete	Nature of action: Groundwater monitoring.

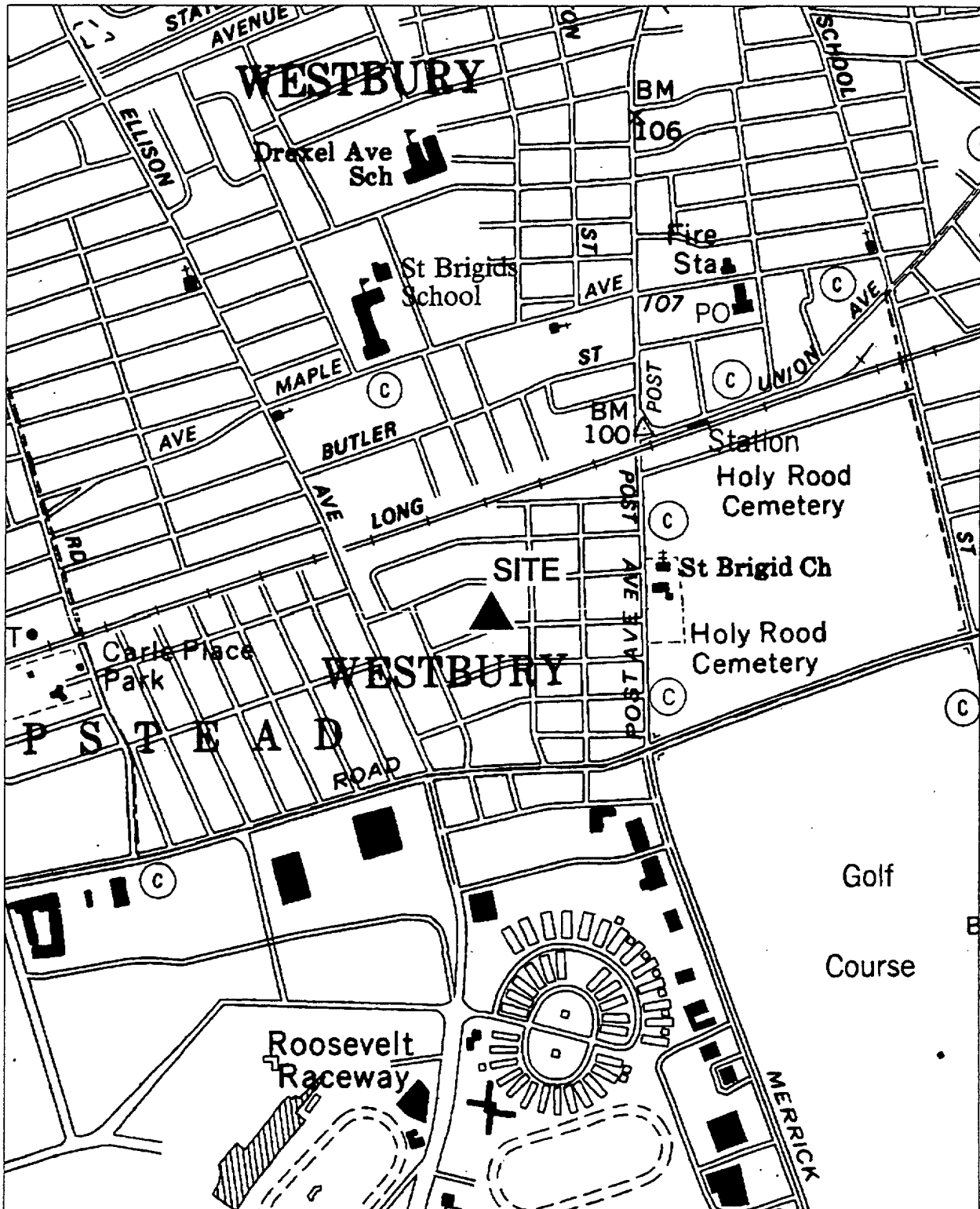
Assessment of Environmental Problems:

Past spills and/or releases of fresh or spent chlorinated solvent solutions have resulted in the contamination of soils and groundwater over a sole source aquifer.

Assessment of Health Problems:

Contaminant sources have been removed from the site. Groundwater at the site is contaminated with volatile organic compounds (VOCs). Off-site groundwater does not indicate migration of the contaminants from the site. The nearest downgradient public water supply well is treated to remove VOCs from another unrelated source.

SYL00115345



Site Location Map

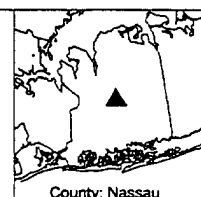
130088 123 Post Avenue

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



SYL00115346

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: 123 Post Avenue	Site Code: 130088
Class Code: 2	Region: 1
County: Nassau	EPA Id:
Address: 123 Post Avenue / New Cassel, NY 11590	
Latitude: 40° 45' 0" Longitude: 73° 35' 29"	
Site Type: Structure	Estimated Size: 0.2 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Won Ho Choe/Westbury Top Cleaners
Current Owner(s) Address: 123 Post Avenue / New Cassel, NY 11590
Owner(s) during disposal: Westbury Valet Dry Cleaners
Operator(s) during disposal: Westbury Valet Dry Cleaners
Stated Operator(s) Address: 123 Post Avenue / New Cassel, NY 11590
Hazardous Waste Disposal Period: From: unknown To: present

Site Description:

This site is a 50 ft. by 189 ft. lot located at the intersection of the Long Island Railroad and Post Avenue. The Westbury Valet Cleaners is the current business located at this property. Samples were taken at monitoring wells located at the 117 Post Avenue property. Groundwater at the property boundary closest to the 123 Post Avenue property contained tetrachloroethylene (PCE) at concentrations exceeding the groundwater standard. The soils from drains on site are highly contaminated and are the probable source of groundwater contamination. The contravention of groundwater standards in the vicinity of this site with compounds normally associated with the operation of a dry cleaning establishments makes the on-site business a probable source of historic contamination in this area. The contaminated groundwater downgradient of the site is within a USEPA designated sole source aquifer, and is near three active public drinking water supply wells (#7785, #101, #5654). Treatment has been placed on two of the wells to remove volatile organic compounds (VOCs) contamination, including tetrachloroethylene and associated breakdown products. Trace levels of VOCs have been detected in the third well (#5654), but treatment is not yet required to ensure compliance with public drinking water standards. There are two operable units (OUs) for this site. A consent order was signed for OU-1 with the PRP on September 25, 2000 to address soil and groundwater contamination on site. A RI/FS work plan was approved in August 2000. Fieldwork was completed in October, 2000 and the NYSDEC approved a Remedial Design (RD). An SVE system was installed and began operating on May 25, 2001. The PRP took over indoor air sampling in January 2002. A State Superfund referral was issued on July 11, 2000 and a work assignment was issued to D&B for an off-site groundwater investigation (OU-2). Fieldwork began on March 26, 2001 and was completed in August, 2001. A PCE groundwater plume was identified.

Confirmed Hazardous Waste Disposal:
tetrachloroethylene (PCE) F002 Waste

Quantity:
unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:	Depth to	
Soil/Rock Type: Sand.	Groundwater: Range: 30 to 35 feet.	
Legal Action: Type: State Consent Order -RI/FS	Status: Order Signed	
Remedial Action: In Progress	Nature of action: SVE system for OU-1.	

Assessment of Environmental Problems:

The contaminated groundwater beneath the site is located within a USEPA designated sole source aquifer, and is in the vicinity of municipal water supply wells.

Assessment of Health Problems:

Indoor air in neighboring businesses and residences was contaminated with tetrachloroethene at concentrations above the NYSDOH guideline. Since the installation of a soil vapor extraction system, these concentrations have fallen and remain below the guideline. Groundwater downgradient of the site is contaminated with tetrachloroethene at levels significantly exceeding NYS standards for public drinking water supplies. Three active public drinking water supply wells are nearby. Two of the wells are treated to remove volatile organic compound (VOC) contamination. Trace levels of VOCs have been detected in the third supply well, but treatment is currently not required to comply with public drinking water standards. No private drinking water supply wells have been identified in the area. Exposure to any site-related soil contamination is unlikely unless subsurface excavations occur.

SYL00115347

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: 525 to 535 Burnside Avenue			Site Code: 130091
Class Code: 2	Region: 1	County: Nassau	EPA Id:
Address: 525-535 Burnside Avenue / Inwood, NY 11096			
Latitude: 40° 37' 22"		Longitude: 73° 44' 43"	
Site Type: Structure		Estimated Size: 0.32 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Martin J. Ain
Current Owner(s) Address: 535 Burnside Avenue / Inwood, NY 11096
Owner(s) during disposal: unknown
Operator(s) during disposal: unknown
Stated Operator(s) Address:
Hazardous Waste Disposal Period: From: unknown To: unknown

Site Description:

This site contains three businesses; Ojay Collision Works (a one story auto repair shop), Auto DCAP (a one story office building, and Five Town Tire (a one story tire dealer and repair shop).
In July 1997, The Nassau County Department of Health notified the NYSDEC that a sample collected from Nassau County Public Works Monitoring Well, N-09468, (located on the NW corner of Wheelock & Burnside Avenues) contained trichloroethene (TCE) at 3,309 ppb, total 1,2-dichloroethene (1,2-DCE) at 2,771 ppb, and vinyl chloride at 444 ppb. Subsequent to this notification, the NYSDEC initiated a Preliminary Site Assessment (PSA). This PSA was conducted between June and August 1999. The PSA concluded that the source of TCE and 1,2-DCE is located along the north side of Burnside Avenue between Wheelock Avenue and Hoover Street. Past site operations have contaminated the groundwater with TCE and 1,2-DCE at concentrations well above their respective Part 703.5 Class GA Standards. The groundwater is part of an EPA-designated sole source aquifer, and the contamination of this aquifer constitutes a significant threat to the environment.

Confirmed Hazardous Waste Disposal:
trichloroethene (F002 Waste)

Quantity:
unknown

Analytical Data Available for:	Groundwater
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	
Soil/Rock Type: Sand and gravel.	Depth to Groundwater: Range: 1 to 5 feet.
Legal Action: Type:	Status:
Remedial Action:	Nature of action:

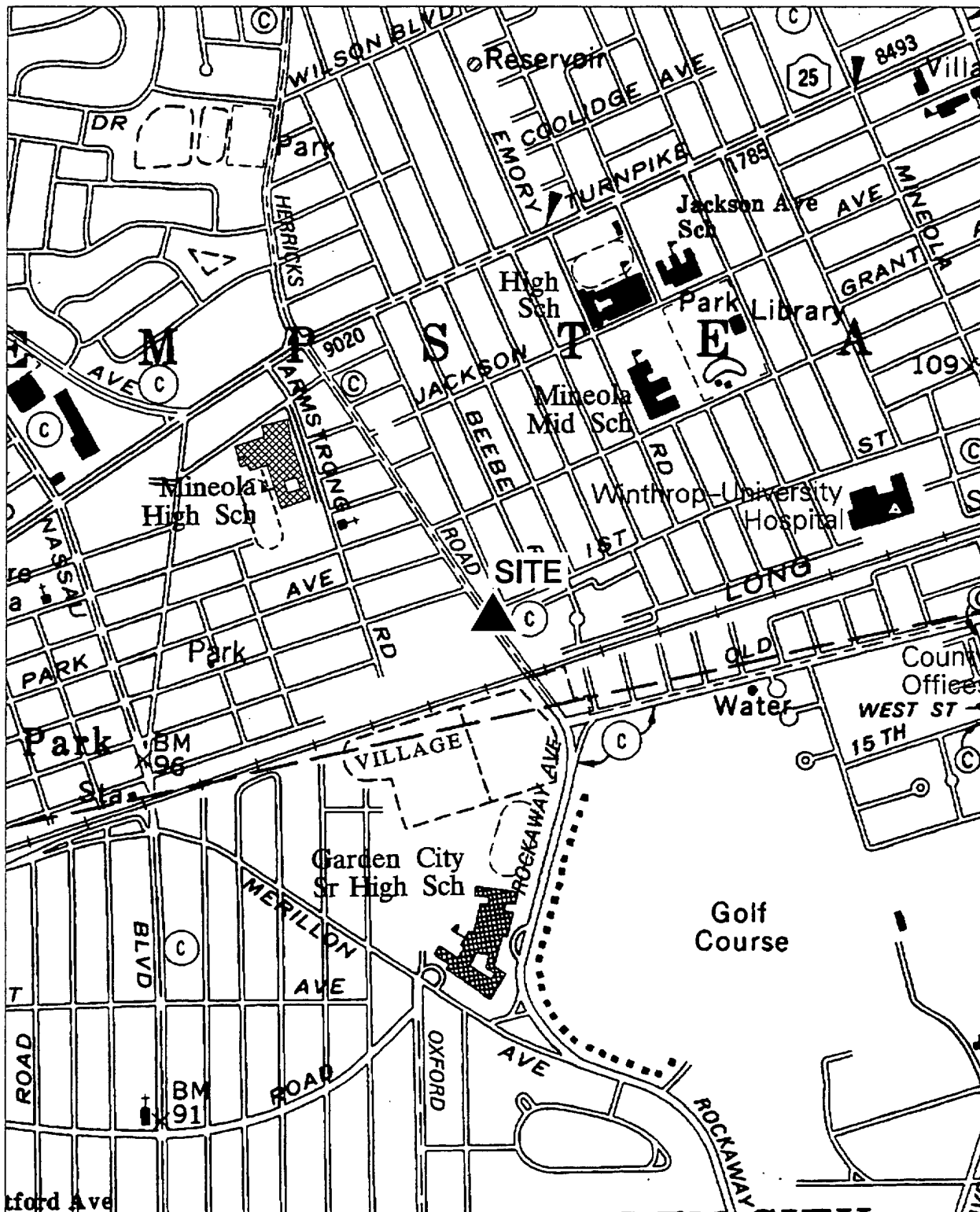
Assessment of Environmental Problems:

Past site operations have contaminated the groundwater with TCE and 1,2-DCE at concentrations well above their respective Part 703.5 Class GA Standards. The groundwater is part of an EPA-designated sole source aquifer.

Assessment of Health Problems:

The area is mixed residential and commercial, with residences north and south of the site. Groundwater flows east, northeast and is four feet deep. Public water serves the area and is regularly monitored. Therefore, exposure to contaminated groundwater is not expected. All other potential exposure routes will be assessed during the forthcoming investigation.

SYL00115349



Site Location Map

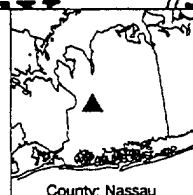
130095 Jackson Steel

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Nassau

SYL00115350

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Jackson Steel		Site Code: 130095	
Class Code: 2	Region: 1	County: Nassau	EPA Id: NYD001344456
Address: 435 First Street / Mineola, NY 11501			
Latitude: 40° 44' 20"		Longitude: 73° 39' 9"	
Site Type: Structure		Estimated Size: 1.39 Acres	
Site is on the EPA - National Priorities List.			

Site Owner / Operator Information:	
Current Owner(s) Name:	MV Barmed Realty, Inc.
Current Owner(s) Address:	PO Box 1571 / Mineola, NY 11501
Owner(s) during disposal:	*** Multiple Site Owners ***
Operator(s) during disposal:	Jackson Steel Products, Inc.
Stated Operator(s) Address:	435 First Street / Mineola, NY 11501
Hazardous Waste Disposal Period:	From: 1978 To: 1985

Site Description:

Jackson Steel is located on the southern side of First Street and the Eastern side of Herricks Road. It is located about 1,000 ft. east of the Fulton Avenue class 2 site, a recent addition to the Federal National Priorities List, which is situated in the Garden City Park Industrial Area. The company was a manufacturer of custom rolled steel products, and in that capacity chemicals such as lubricating / cutting oils and chlorinated solvents were used. They ceased operations in 1991, but the degreasing process was reportedly discontinued in 1985. There are records showing the use of tetrachloroethene (PCE) (9,400 gallons from 1978 to 1982) and 1,1,1-trichloroethane (2,000 gallons between 1982 and 1983), the same compounds that were found, along with some of their derivatives, in the on-site dry wells and the associated groundwater. The highest soil / sediment contamination level was 28,000 ppm of PCE at 23 - 25 feet below grade, in drywell #2. This solvent and its breakdown products 1,2-dichloroethene were found at 1,600 and 1,700 ppb respectively, in a downgradient monitoring well. The site was nominated to the NPL in the summer of 1999 and became a Federal Superfund Site effective in February, 2000. The Remedial Investigation/Feasibility Study (RI/FS) draft work plan was reviewed in December of 2000. Field sampling according to the final RI/FS was initiated in the fall of 2001.

Confirmed Hazardous Waste Disposal:

tetrachloroethene (PCE) F001 Waste
1,1,1- trichloroethane (F001 Waste)

Quantity:

unknown
unknown

Analytical Data Available for:	Groundwater Soil
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	Depth to
Soil/Rock Type: Silt, sand and gravel.	Groundwater: Range: 35 to 40 feet.
Legal Action: Type:	Status:
Remedial Action:	Nature of action:

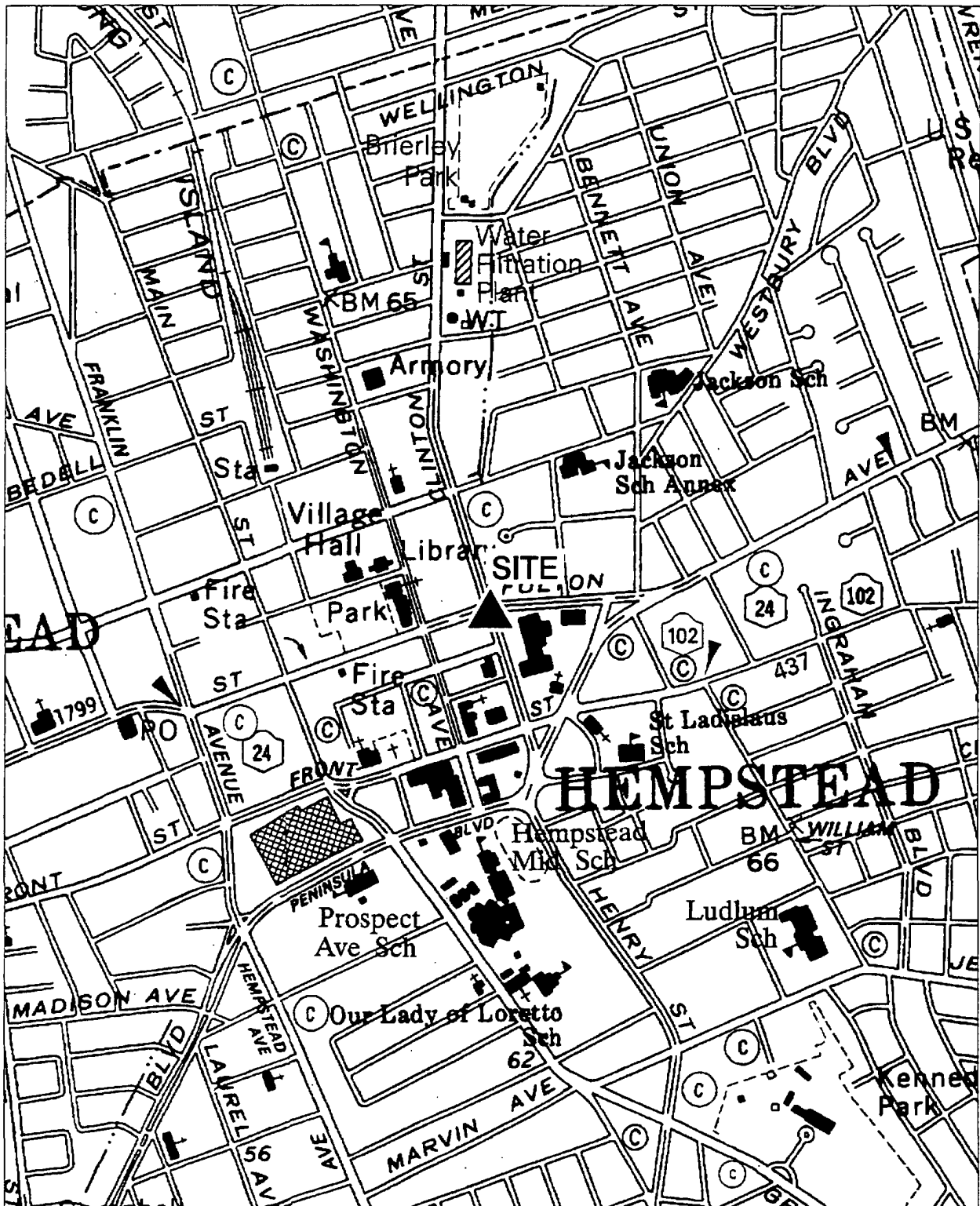
Assessment of Environmental Problems:

This property is near an industrial area in which high levels of contamination have been identified and a significant source was pinpointed. The chemicals found at Jackson Steel are similar, and appear to be the source of a separate, probably parallel plume, which may also overlap further downgradient, thereby amplifying the threat to several public supply wells.

Assessment of Health Problems:

Disposal of chlorinated solvents, primarily tetrachloroethene (PCE), in on-site leaching pits has contaminated groundwater and subsurface soil. Public supply wells downgradient of the site are either treated to remove VOCs from the water or are monitored to ensure that contaminants (from this or other sites) do not affect water quality. Indoor air quality impacted at two nearby facilities. Measures to reduce PCE levels within those buildings were implemented and monitoring of the remediation systems is on-going. Further investigation of this site will be necessary to determine the extent of contamination.

SYL00115351



Site Location Map

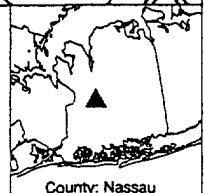
130096 Top-Notch Cleaners'

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Nassau

SYL00115352

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Top-Notch Cleaners			Site Code: 130096
Class Code: 2	Region: 1	County: Nassau	EPA Id:
Address: 378 Fulton Avenue / Hempstead, NY 11550			
Latitude: 40° 42' 34"		Longitude: 73° 37' 10"	
Site Type: Structure		Estimated Size: 0.5 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Paula and Zeev Jacobs
Current Owner(s) Address: PO Box 53 / Forest Hills, NY 11375
Owner(s) during disposal: Paula and Zeev Jacobs
Operator(s) during disposal: Top-Notch Cleaners
Stated Operator(s) Address: 378 Fulton Avenue / Hempstead, NY 11550
Hazardous Waste Disposal Period: From: 1969 To: present

Site Description:

Top-Notch Cleaners is located at 378 Fulton Avenue, between Washington Street and Clinton Street. The building which currently houses Top-Notch Cleaners was constructed in about 1968, as depicted on a historic map. The building is one story with concrete block walls, and steel columns, beams, and joists. A basement with two floor drains and a tetrachloroethene (PCE) storage tank was also noted to exist. The Top-Notch building lies within a chain of commercial establishments. A paved parking area exists south of the building and its neighboring stores. Stormwater catch basins/drywells were observed to exist in the parking area. A Preliminary Site Assessment (PSA) conducted in 1999 and 2000 found elevated levels of PCE in a narrow groundwater plume downgradient of the dry cleaning site.

Confirmed Hazardous Waste Disposal:
tetrachloroethene (PCE) F002 Waste

Quantity:
Unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:		Depth to
Soil/Rock Type: Sand.		Groundwater: Range: 20 to 25 feet.

Legal Action: Type:	Status:
Remedial Action:	Nature of action:

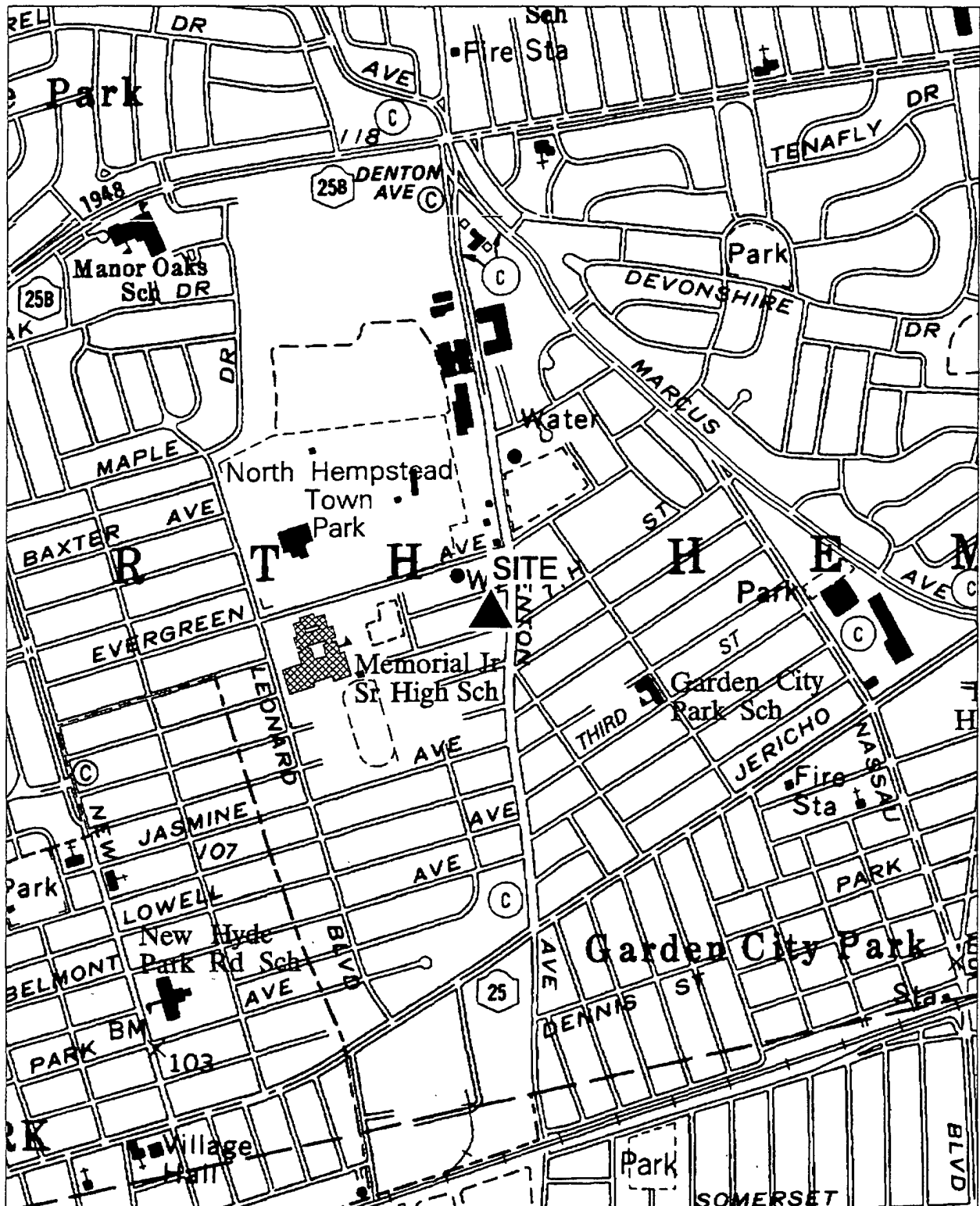
Assessment of Environmental Problems:

Groundwater is contaminated with PCE at levels as high as 8.1 ppm.

Assessment of Health Problems:

Further investigation is needed to determine the extent of site-related contamination. Exposure to any soil contamination that may exist is unlikely because the site is paved. The potential for exposure to contaminated groundwater is expected to be low because the area is served by public water. Additional investigation is needed to determine whether site-related contamination may be affecting indoor air quality in neighboring businesses.

SYL00115353



Site Location Map

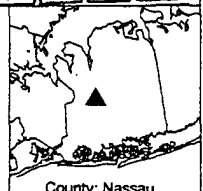
130097 Techem, Inc.

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Nassau

SYL00115354

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Techem, Inc.	Site Code: 130097
Class Code: 2 Region: 1 County: Nassau	EPA Id: NYD049199722
Address: 1840 Falmouth Avenue / Garden City Park, NY 11040	
Latitude: 40° 44' 35" Longitude: 73° 40' 20"	
Site Type: Structure	Estimated Size: 0.18 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Arash Development Corporation
Current Owner(s) Address: 593 Bushwick Avenue / Brooklyn, NY 11206
Owner(s) during disposal: Sidney Gerwitz
Operator(s) during disposal: Techem, Inc.
Stated Operator(s) Address: 1840 Falmouth Avenue / Garden City Park, NY 11040
Hazardous Waste Disposal Period: From: 1973 To: 1994

Site Description:

The Techem facility manufactured acid-based chromium, cadmium, cyanide, nickel, and zinc electroplating solutions from 1973 to 1994. The 0.18 acre site is located at 1840 Falmouth Avenue in New Hyde Park, Nassau County, New York. Records indicate the site had many housekeeping problems, spills and improper handling of wastes. In 1992, soils within a sump were found to have elevated concentrations of cadmium, chromium, and lead. The former owner/operator of the facility reportedly filled the sump with concrete in 1993. The United States Environmental Protection Agency (EPA) conducted a site inventory in 1993 and found approximately 1,500 small containers in the building attic and laboratories, and about 1,250 drums in the outside storage area. The EPA conducted a 2-Phase remedial action at the site in 1994 and 1995. Phase 1 consisted of removal/disposal of all hazardous chemicals from the site. Phase 2 involved the excavation of contaminated soils. The EPA soil removal activities were directed to remove immediate threats to human health, but all on-site soil contamination above NYSDEC criteria (including soils at depth) were not completely removed during the EPA action. Although most of the chemical-containing drums and containers were removed by EPA (Phase 1), numerous containers identified as non-hazardous by EPA remain in the warehouse storage area of the on-site building. The NYSDEC PSA demonstrated elevated levels of metals in the local groundwater. Additional evaluation of the groundwater is necessary.

Confirmed Hazardous Waste Disposal:

cadmium (D006 Waste)
chromium (D007 Waste)
lead (D008 Waste)

Quantity:

unknown
unknown
unknown

Analytical Data Available for:	Groundwater Soil
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	Depth to
Soil/Rock Type:	Groundwater: Range: 35 to 40 feet.
Legal Action: Type:	Status:
Remedial Action:	Nature of action:

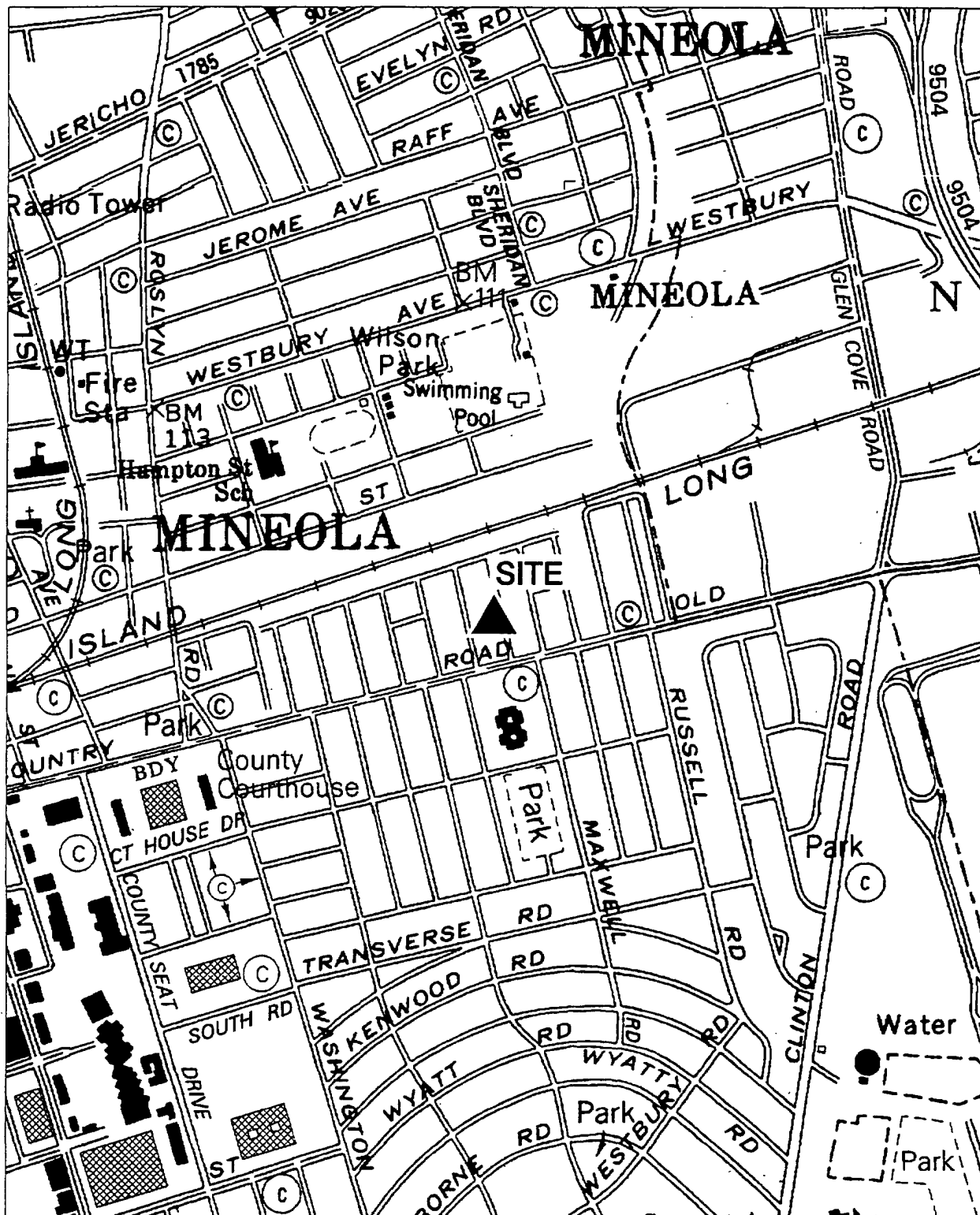
Assessment of Environmental Problems:

Both shallow and deep on-site soils are contaminated with metals above recommended soil cleanup objectives. On-site and off-site groundwater has elevated levels of metals.

Assessment of Health Problems:

Groundwater at the site contains elevated levels of metals. A public water supply well exists 200 feet north of the site, but has not been impacted, likely due to its depth. All public water supplies are monitored for contamination and must meet drinking water standards. Subsurface soils at the site are contaminated with heavy metals. The site is paved or covered with buildings, so exposures to these soils are unlikely to occur.

SYL00115355



Site Location Map

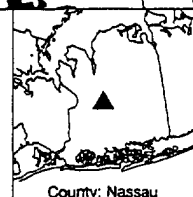
130100 A K Allen

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Nassau

SYL00115356

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: A K Allen	Site Code: 130100
Class Code: 2	EPA Id: NYD002038040
Region: 1	County: Nassau
Address: 225 and 255 East Second Street / Mineola, NY 11501	
Latitude: 40° 44' 32" Longitude: 73° 37' 35"	
Site Type:	Estimated Size: 3 Acres

Site Owner / Operator Information:

Current Owner(s) Name: **A K Allen Corporation**
Current Owner(s) Address: **225 East Second Street / Mineola, NY 11501**
Owner(s) during disposal: **A K Allen Corporation**
Operator(s) during disposal: **A K Allen Corporation**
Stated Operator(s) Address: **225 East Second Street / Mineola, NY 11501**
Hazardous Waste Disposal Period: **From: 1947 To: present**

Site Description:

A. K. Allen manufactures precision machined metal cylinders and valves and has been in operation at 225 East Second Street, Mineola since 1947. Past and present operations have contaminated the soil with metals, volatile organic compounds (VOCs) and petroleum products. Historically, drums (some of which were leaking) containing liquid wastes from this facility were stored outdoors on the southern portion of the property, adjacent to an embankment which goes onto a Long Island Rail Road (LIRR) right-of-way which abuts A.K. Allen to the south. Soil samples from the drum storage area contained elevated concentrations of several VOCs and metals, including cadmium at hazardous concentrations. The quantity of hazardous waste disposed on this property is unknown at this time. It appears that contaminants have migrated through the soil and onto the LIRR property. Preliminary groundwater sampling indicates low levels of VOCs, including up to 6 ppb of tetrachloroethene, and metals in the underlying sole source aquifer. Groundwater flow direction has been determined to be towards the southwest. A more complete study of the groundwater beneath the site is necessary. The site is bordered by commercial/industrial property to the east, west and north. The facility is currently sewered and served by a municipal water supply. A significant threat exists due to on-site soil contaminated by hazardous waste and the potential exposure pathways that exist via direct contact, inhalation and/or ingestion.

Confirmed Hazardous Waste Disposal:

tetrachloroethene
toluene

Quantity:

unknown
unknown

Analytical Data Available for:	Groundwater Soil
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	Depth to
Soil/Rock Type: Sand and gravel.	Groundwater: Range: 55 to 60 feet.
Legal Action: Type:	Status:
Remedial Action:	Nature of action:

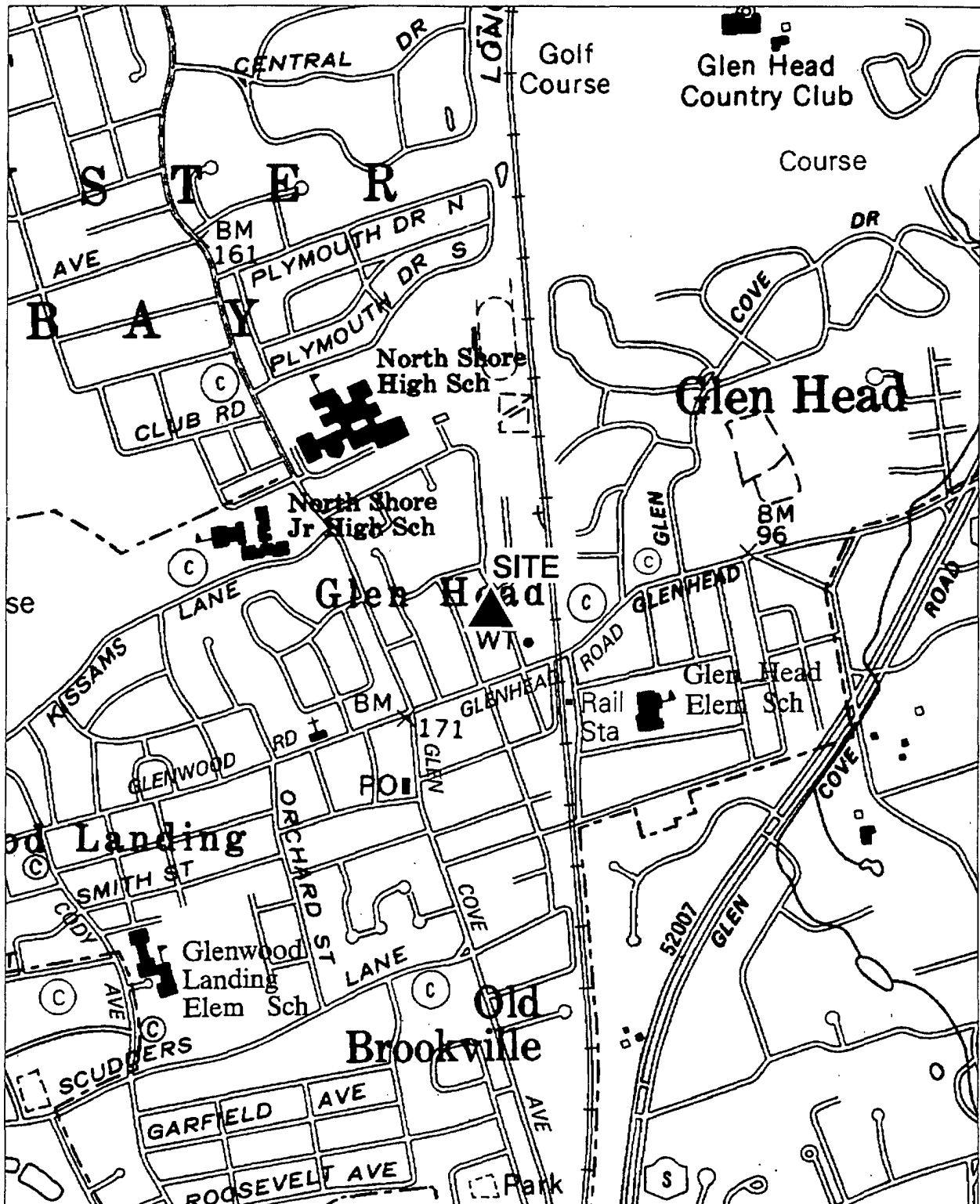
Assessment of Environmental Problems:

A significant threat exists due to on-site soil contaminated by hazardous waste and the potential exposure pathways that exist via direct contact, inhalation and or ingestion. Contamination to a sole source aquifer also poses a threat.

Assessment of Health Problems:

Soil behind the facility is contaminated with high levels of cadmium and chromium. Most contamination is covered by asphalt. Some unpaved areas may be contaminated; accessibility to these areas appears to be limited to plant employees. Additional investigation is necessary to determine if contamination has migrated from the site toward houses on the opposite side of the adjacent railroad tracks.

SYL00115357



Site Location Map

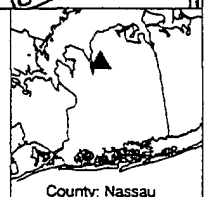
130101 Trans Technology

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



SYL00115358

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Trans Technology	Site Code: 130101
Class Code: 2 Region: 1 County: Nassau	EPA Id: NYD002054237
Address: One Roberts Lane / Glen Head, NY 11545	
Latitude: 40° 50' 5" Longitude: 73° 37' 40"	
Site Type: Structure	Estimated Size: 7.5 Acres

Site Owner / Operator Information:

Current Owner(s) Name: TransTechnology Corporation
Current Owner(s) Address: 150 Allen Road / Liberty Corner, NJ 07938
Owner(s) during disposal: Lundy Electronics/TransTechnology Corp.
Operator(s) during disposal: Lundy Electronics/TransTechnology Corp.
Stated Operator(s) Address: One Roberts Lane / Glen Head, NY 11545
Hazardous Waste Disposal Period: From: unknown To: present

Site Description:

Until 1998, Lundy Electronics Company used the site as a machine shop and electronics manufacturer. In the early 1980s, TransTechnology, an electronics assembler, acquired Lundy. Since that time, TransTechnology has leased a portion of the site building to various tenants whose activities include wood working, metals fabrication, and warehousing. Until 1994, TransTechnology assembled electronic components on site, and a waste manifest from as recent as 1997 shows that waste tri - and tetra - chloroethene were generated on-site. No significant concentrations of volatile organic compounds (VOCs) have been detected in on-site soils, but on-site groundwater contains elevated concentrations of several VOCs, including tetrachloroethene at up to 16,000 ppb. Two upgradient dry cleaning facilities and an auto body repair shop may be contributing to the groundwater contamination. Chromium has been detected at up to 2,870 ppm in on-site soils and at 200 ppb in on-site groundwater.

Confirmed Hazardous Waste Disposal:

D039 Waste
F006 Waste

Quantity:

unknown
unknown

Analytical Data Available for: Groundwater Soil	
Applicable Standards Exceeded in: Groundwater	
Geotechnical Information:	Depth to
Soil/Rock Type: Sand and gravel.	Groundwater: Range: 100 to 110 feet.
Legal Action: Type:	Status:
Remedial Action:	Nature of action:

Assessment of Environmental Problems:

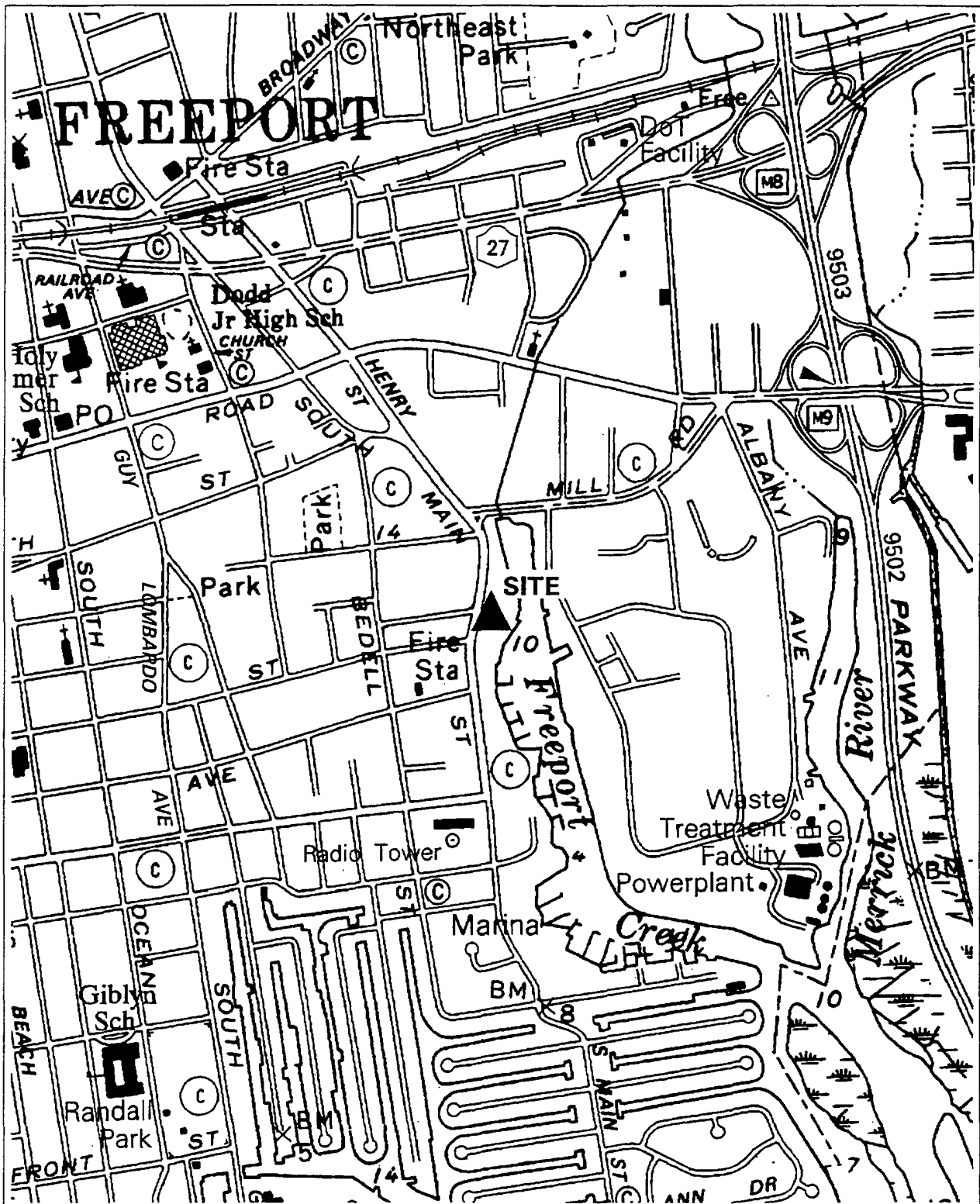
A sole source aquifer has been contaminated by chromium and volatile organic compounds from this site.

Assessment of Health Problems:

The site, which is not restricted, is located in a commercial/residential area served by public water. The soil contains chromium concentrations as high as 2,870 mg/kg, approximately 60 times the NYSDEC soil cleanup objective for chromium; however, the contaminated areas appear to be covered with pavement. The groundwater contains elevated concentrations of several volatile organic compounds, including tetrachloroethene at levels as high as 16,000 mcg/L, approximately 3000 times the groundwater quality standard. Although the contaminated groundwater, being part of a sole source aquifer, poses a threat to public drinking water supply wells, all municipal water supplies are routinely monitored prior to distribution to ensure that New York State Drinking Water Standards are met. Further site investigation continues and NYSDOH will evaluate potential exposures to site-related contaminants as additional data become available.

SYL00115359

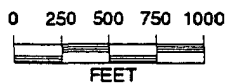
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Site Location Map

130110 Metal Etching Company, Inc.

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Nassau

SYL00115360

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Metal Etching Company, Inc.	Site Code: 130110
Class Code: 2 Region: 1 County: Nassau	EPA Id:
Address: 435 South Main Street / Freeport, NY 11520	
Latitude: 40° 39' 0" Longitude: 73° 34' 32"	
Site Type: Structure	Estimated Size: 0.5 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Gloria Stern
Current Owner(s) Address: 704 Emerson Street / Woodmere, NY 11598
Owner(s) during disposal: Metal Etching Company, Inc.
Operator(s) during disposal: Metal Etching Company, Inc.
Stated Operator(s) Address: 435 South Main Street / Freeport, NY 11520
Hazardous Waste Disposal Period: From: 1973 To: 1998

Site Description:

The facility consists of a two story building situated on approximately 0.5 acres in the Incorporated Village of Freeport. While the facility is now closed, previous activities included metal plating and metal etching. Spills and leakage associated with these processes have contaminated on-site soil and groundwater. The facility had operated at this location from 1973 to 1998. Chromium levels were found to be as high as 770 ppm in on-site soils (soil clean-up guidances for chromium is 50 ppm). Chromium levels discovered in on-site groundwater revealed levels as high as 210,000 ppb (the NYS Drinking Water Standard for chromium is 50 ppb). The site is situated over an EPA designated sole source aquifer. Additionally, the site's proximity to Freeport Creek could result in the contamination of a surface water body.

Confirmed Hazardous Waste Disposal:
chromium

Quantity:
Unknown

Analytical Data Available for: Groundwater Soil	
Applicable Standards Exceeded in: Drinking Water	
Geotechnical Information:	Depth to
Soil/Rock Type:	Groundwater: Range: 5 to 10 feet.
Legal Action: Type:	Status:
Remedial Action:	Nature of action:

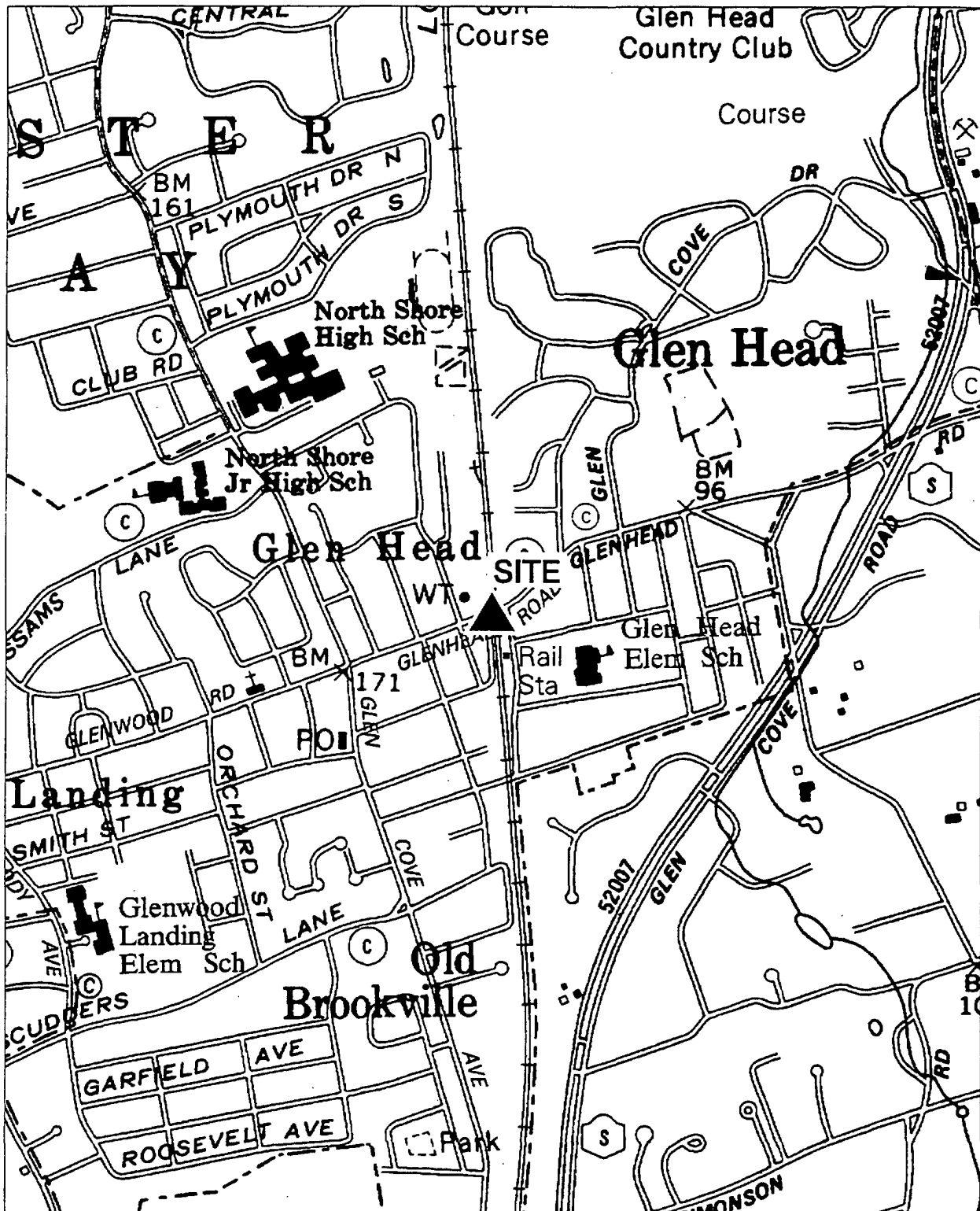
Assessment of Environmental Problems:

Spills and leakage associated with metal plating and metal etching operations have contaminated on-site soil and groundwater at levels which exceed environmental Standards, Criteria and Guidance. The site is situated over an EPA designated sole source aquifer. A surface water body may be impacted.

Assessment of Health Problems:

On-site soil and groundwater are contaminated with chromium. There are no public water supply wells in the immediate vicinity of the site. Additional investigation is necessary to determine the extent of contamination and evaluate potential exposures.

SYL00115361



Site Location Map

130111 Former Fresh & Clean Laundry

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Nassau

SYL00115362

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Former Fresh & Clean Laundry	Site Code: 130111
Class Code: 2	Region: 1
County: Nassau	EPA Id:
Address: 22-26 Railroad Avenue / Glen Head, NY 11545	
Latitude: 40° 50' 2"	Longitude: 73° 37' 35"
Site Type: Structure	Estimated Size: < 1 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Nancy Peterman
Current Owner(s) Address: 58 Gabriel Road / Cohecton, NY 12726
Owner(s) during disposal: unknown
Operator(s) during disposal: Fresh & Clean Laundry
Stated Operator(s) Address: 22-26 Railroad Avenue / Glen Head, NY 11545
Hazardous Waste Disposal Period: From: unknown To: 1988

Site Description:

A 2 phased PSA was conducted in the Village of Glen Head to investigate the source of sources of tetrachloroethene (PCE) detected in the upgradient well at the Trans Technology parcel (130101). The PSA showed wide-spread elevated levels of PCE. It is likely that there are several sources of PCE disposal in this un-sewered area. The former Fresh & Clean Laundry which is located at 22 Railroad Avenue appears to be a primary contributor to the PCE contamination. This location was reportedly a dry cleaners until 1988, and was listed as a RCRA large quantity generator (EPA ID No. NYD082782079). The Nassau County Department of Health determined that illegal disposal of PCE was occurring at this location. (See letter attached). Groundwater directly downgradient of this facility exhibited the highest levels of contamination detected during the PSA. The EPA is currently considering the area for possible action under their program. Two Sea Cliff water supply wells exist in the area; one is located 1500 feet to the north and one is 1.5 miles NNW of the area (this well is directly downgradient of the contamination). To date, neither have been impacted by PCE. However, the plume or plumes have not been fully delineated and considering the concentrations it is possible that future impacts could occur. The site also lies within the 4-mile radius of the Oyster Bay Special Groundwater Protection Area which is in the deep recharge Hydrogeologic Zone 1.

Confirmed Hazardous Waste Disposal:

tetrachloroethene (PCE) F002 Waste

Quantity:

unknown

Analytical Data Available for: Groundwater	
Applicable Standards Exceeded in: Groundwater Drinking Water	
Geotechnical Information:	Depth to
Soil/Rock Type: Sand and gravel mixed with silt and clay.	Groundwater: Range: 110 to 120 feet.
Legal Action: Type:	Status:
Remedial Action:	Nature of action:

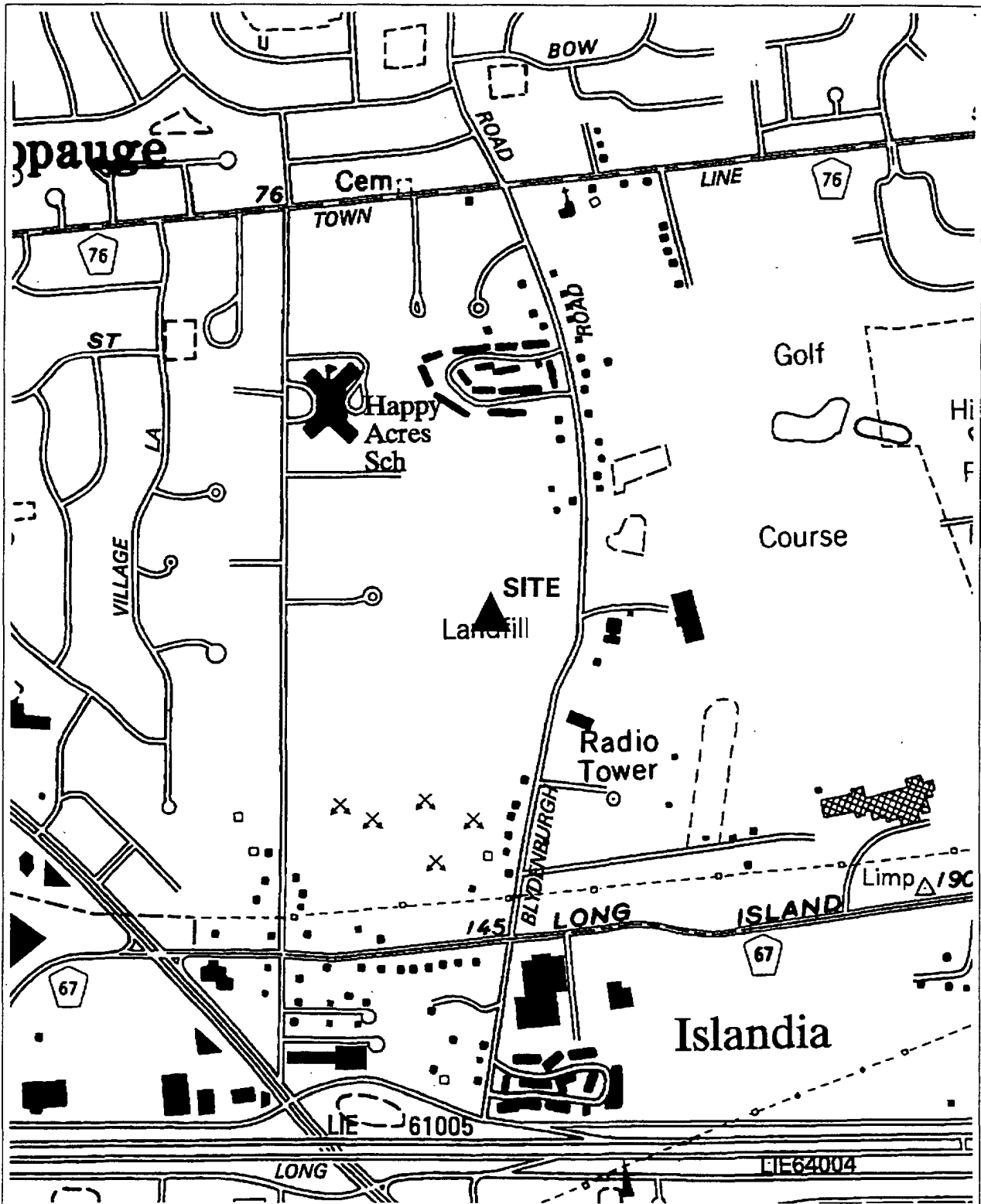
Assessment of Environmental Problems:

Groundwater has been contaminated by tetrachloroethene. The nature and extent of contamination needs to be investigated.

Assessment of Health Problems:

The site has elevated levels of tetrachloroethene in groundwater. Two Sea Cliff Public Water Supply Wells are located within 1.5 miles of the site. Neither of the wells is impacted by the contamination. Additional investigation is necessary to delineate the extent of contamination at, and near the site and to evaluate potential human exposures associated with the contamination.

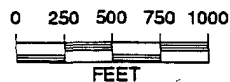
SYL00115363



Site Location Map

152002 Blydenburgh Landfill - Town of Islip

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Suffolk

SYL00115364

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Blydenburgh Landfill - Town of Islip		Site Code: 152002
Class Code: 4	Region: 1	County: Suffolk
Address: 600 Blydenburgh Road / Hauppauge, NY 11788		EPA Id: NYD980506901
Latitude: 40° 49' 8"	Longitude: 73° 10' 53"	Site is on the EPA - National Priorities List.
Site Type: Landfill	Estimated Size: 55 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Town of Islip
Current Owner(s) Address: Town Hall - 655 Main Street / Islip, NY 11751
Owner(s) during disposal: Town of Islip
Operator(s) during disposal: Town of Islip
Stated Operator(s) Address: Town Hall - 655 Main Street / Islip, NY 11751
Hazardous Waste Disposal Period: From: 1978 To: unknown

Site Description:

This landfill started operations in 1927. Since 1968, 43 acres of the site have been filled with municipal waste to a depth exceeding 150 feet. In 1978, 60-70 fifty-five gallon drums of dry cleaning wastes containing trichloroethylene were reportedly buried approximately 140 feet below the surface of the landfill and 40 feet above the water table. Prior to the suspected disposal of hazardous wastes at the site, private wells in the area were already contaminated by the landfill. In 1980, the USEPA began an environmental assessment program and chemical analyses were performed on groundwater and air samples from the site vicinity. Tests of the air vents located at the site indicated that vinyl chloride, benzene, toluene, and chlorinated organics were being emitted from the site. Several homeowner's wells in the area were contaminated, and have been connected to public water. The Remedial Investigation/Feasibility Study (RI/FS) groundwater data confirms the presence of a plume containing chlorinated solvents and their breakdown products to the southeast of the site. A Record of Decision (ROD) was signed in September of 1992 that specified landfill capping, pumping and treating groundwater contamination above 50 ppb total volatile organics. The landfill cap was completed in 1993. Remedial design of the pump and treat system was completed in March of 1995. The remedial construction of the groundwater treatment facility was started in June of 1995. The injection and extraction well system was installed in early Summer of 1996. The remedial construction was completed on September 27, 1996. Since system start-up, total volatile organic compound (TVOC) influent concentrations have been much lower than the 50 ppb TVOC target specified in the ROD. Quarterly sampling results for the fourth quarter of 2001 indicates no extraction wells are currently above 50ppb TVOC.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene (PCE)

Trichloroethylene (TCE)

Quantity:

unknown

unknown

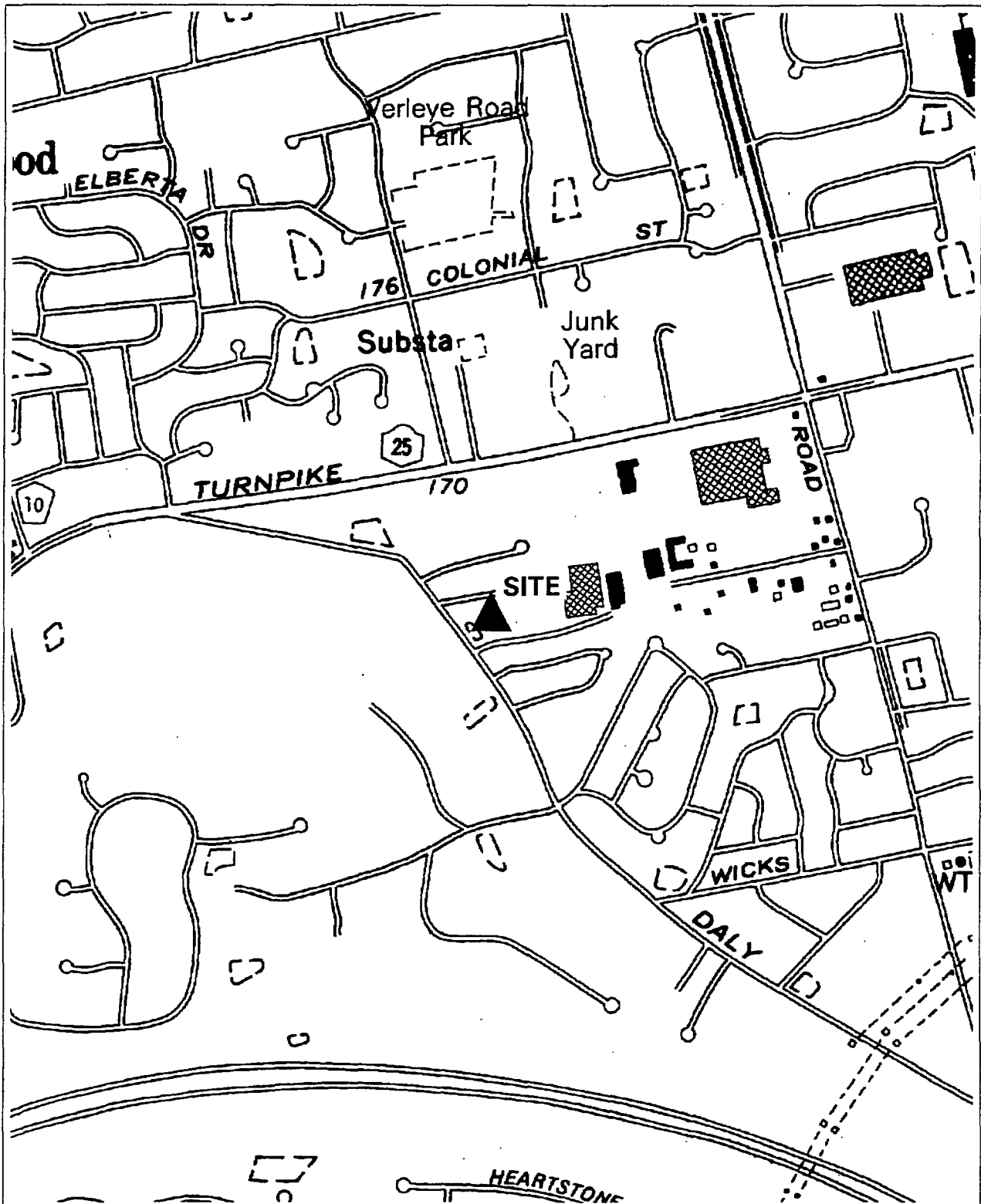
Analytical Data Available for: Air Groundwater**Applicable Standards Exceeded in:** Groundwater Air**Geotechnical Information:****Soil/Rock Type:** Sand.**Depth to****Groundwater:** Range: 115 to 120 feet.**Legal Action: Type:** State Consent Order**Status:** Order Signed**Remedial Action:** In Progress Complete**Nature of action:** Cap + groundwater pump & treat system.**Assessment of Environmental Problems:**

A plume of contaminated groundwater extends approximately 400 feet from the cell containing hazardous waste down to 535 feet below ground surface. The zone of heaviest contamination (200 ppb total volatile organic compounds) is just above the Glacial/ Magothy interface.

Assessment of Health Problems:

The remedial investigation completed in 1991 confirms that chlorinated solvents from the landfill have contaminated the groundwater. To eliminate the possibility of exposure to site-related contaminants in drinking water, homes located downgradient from the landfill have been connected to public water. The cap constructed on the landfill will prevent the continued contamination of groundwater and uncontrolled release of landfill gas. To hasten groundwater remediation, contaminated groundwater is being pumped out of the ground and treated. The groundwater is sampled quarterly and the results published by Islip Resource Recovery Agency. Efforts are being made to minimize the off-site migration of odors.

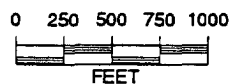
SYL00115365



Site Location Map

152003 Deutsch Relays, Inc.

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Suffolk

SYL00115366

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Deutsch Relays, Inc.		Site Code: 152003	
Class Code: 2	Region: 1	County: Suffolk	EPA Id: NYD057722019
Address: 65 Daly Road / East Northport, NY 11731			
Latitude: 40° 50' 12"		Longitude: 73° 19' 17"	
Site Type: Structure		Estimated Size: 4.32 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Deutsch Relays, Inc.
Current Owner(s) Address: 65 Daly Road / East Northport, NY 11731
Owner(s) during disposal: Deutsch Relays, Inc.
Operator(s) during disposal: Deutsch Relays, Inc.
Stated Operator(s) Address: 65 Daly Road / East Northport, NY 11731
Hazardous Waste Disposal Period: From: 1965 To: 08/1986

Site Description:

Deutsch Relays Inc. has been operating continuously since 1965 at this location and is involved principally in the manufacture of relays. Deutsch has used oxidizing and non-oxidizing acids, halogenated and non-halogenated organic chemicals, caustics, cyanides, and oxidizers in their manufacturing processes. These processes generate hazardous wastes including cyanide solutions, various rinse waters, spent Freon, and a water/oil mixture. In 1982, downgradient wells were discovered to be contaminated. Contamination of groundwater has been confirmed at this NPL nominated site. A Consent Order for a RI/FS/RD/RA has been signed by the responsible party. Radial groundwater flow from the site has been confirmed. There are three public supply well fields within one mile of the site. Concentrations of total VOCs in one groundwater monitoring well exceed 1000 ppb. A ROD was signed in March of 1995. A focused, phased groundwater "pump and treat" remedy was selected. Phase I of the remedial system consisting of two groundwater recovery wells and an air stripping treatment system was completed in 1996. The ROD included provisions for the protection of the nearby public water supply wells under Phase II of the remedial system and involved the installation of a new extraction well. This well was installed in August 1997 and increased the total groundwater extraction rate to 250 gpm. Based on a petition received in August 1997 by the NYSDEC to modify the site boundaries by the exclusion of Parcels A and B from the site designation, the area of the site has been reduced by 16.23 acres. This leaves only Parcel C with an area of 4.32 acres to comprise the site. During September 2001 monitoring indicated that influent concentrations to the air stripper were at 36 ppb with an average flow rate of 279,000 gallons per day. Effluent concentrations were reduced to 2.6 ppb. On November 8, 2001 1,1-DCA was detected in outpost well WROW-2 at 1ppb.

Confirmed Hazardous Waste Disposal:

Heavy metal hydroxide sludge

Cyanide (F007)

Freon

Tetrachloroethylene (PCE or "perc.")(F001, F002)

1,1,1-Trichloroethane (TCA) (F001 & F002)

Quantity:

unknown

unknown

unknown

unknown

unknown

Analytical Data Available for:	Air Groundwater Soil
Applicable Standards Exceeded in:	Groundwater Drinking Water
Geotechnical Information:	Depth to
Soil/Rock Type: Sand, gravel and silt-rich clay.	Groundwater: Range: 45 to 50 feet.
Legal Action: Type: State Consent Order -RI/FS	Status: Order Signed
Remedial Action: Complete	Nature of action: Groundwater pump & treat system.

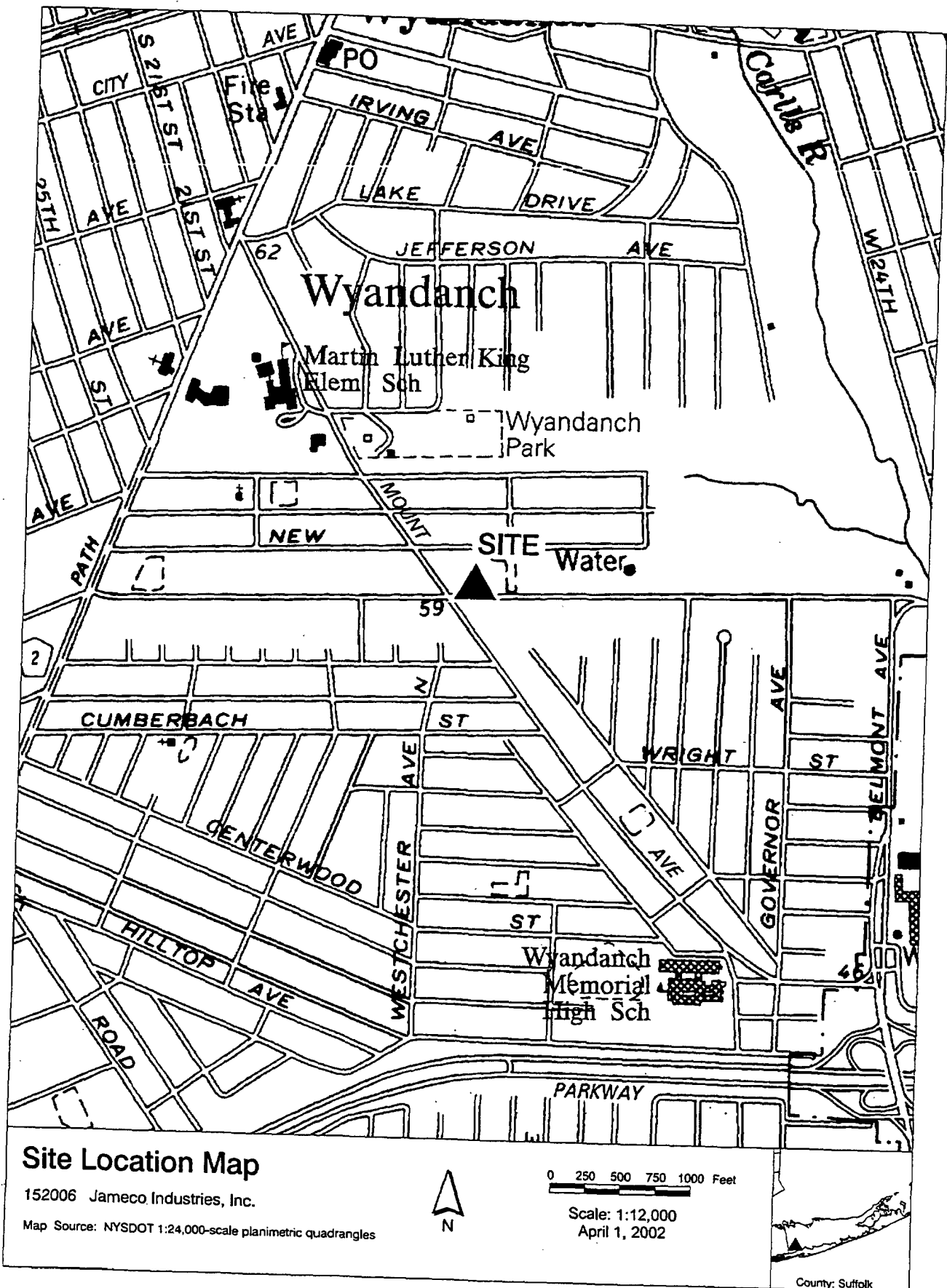
Assessment of Environmental Problems:

Hazardous waste disposal has contaminated groundwater above NYS standards. This site lies over a sole source aquifer.

Assessment of Health Problems:

On-site groundwater is contaminated with some of the chemical compounds used at the facility. Homes near this site are connected to public drinking water. Monitoring wells have been installed upgradient from the Huntsman Lane, Wicks Road, and Colby Court public drinking water supply wells to act as an early warning mechanism should site-related contaminants migrate toward these wellfields. If site-related contamination is detected in the monitoring wells upgradient from the public water supply wells, a treatment system will be constructed for the threatened well(s) to ensure that exposure to contaminated drinking water does not occur. Groundwater is being pumped and treated to reduce the level of contamination in the aquifer.

SYL00115367



SYL00115368

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Jameco Industries, Inc.		Site Code: 152006
Class Code: 2	Region: 1	County: Suffolk
Address: 248 Wyandanch Avenue / Wyandanch, NY 11798		
Latitude: 40° 44' 31" Longitude: 73° 21' 25"		
Site Type: Structure Pond		Estimated Size: 6 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Webster Valve Company
Current Owner(s) Address: PO Box 6431 / Franklin, NH 03235
Owner(s) during disposal: Jameco Industries, Inc.
Operator(s) during disposal: Jameco Industries, Inc.
Stated Operator(s) Address: 248 Wyandanch Avenue / Wyandanch, NY 11798
Hazardous Waste Disposal Period: From: 1964 To: 1994

Site Description:

The facility ceased operations in 1998. Past industrial processes included metal finishing and electroplating of plumbing fixtures. Wastewater was discharged into an on-site leaching pool system permitted under the State Pollution Discharge Elimination System (SPDES). A 1994 environmental investigation revealed soil and groundwater had been contaminated with solvents which had leaked from degreasing machinery. A Consent Order was signed in December 1995 for the undertaking of a Remedial Investigation/Feasibility Study (RI/FS). In December 1997, an Interim Remedial Measure (IRM) was undertaken utilizing soil vapor extraction to remediate soil which has been contaminated with solvents. The IRM was completed in June 1999. A revised RI report was submitted in May 2001. This report summarizes environmental conditions on site and off site. A draft feasibility study is currently being prepared to address the remediation of on-site contamination.

Confirmed Hazardous Waste Disposal:

Trichloroethylene (F001)
Chromium (F001)

Quantity:

unknown
unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:		Depth to
Soil/Rock Type: Sand.		Groundwater: Range: 5 to 10 feet.
Legal Action: Type: State Consent Order -RI/FS		Status: Order Signed
Remedial Action: Complete		Nature of action: IRM-Soil vapor extraction system & air sparging.

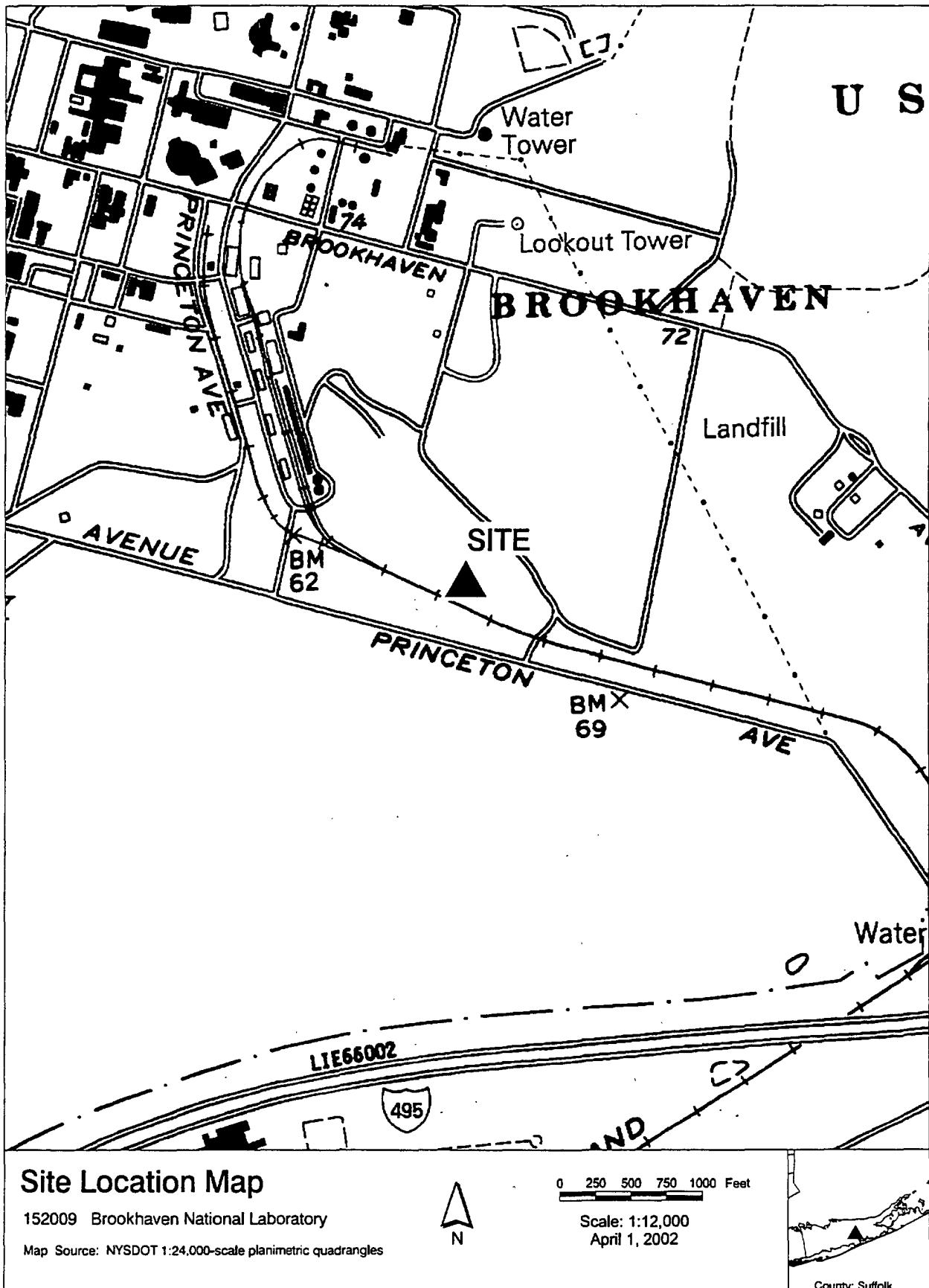
Assessment of Environmental Problems:

Soil contamination associated with metal plating operations exists in on-site soil. As a result of source remediation through a IRM, concentrations of solvents in on-site groundwater and on-site soil have significantly diminished.

Assessment of Health Problems:

Inadequate maintenance of the unlined leaching pools led to contamination of on-site soils, primarily with high concentrations of metals. Testing of soil, sludge, effluent, and groundwater samples collected on various occasions from the site area during the period 1979 to 1991 indicated contamination by metals and volatile organic compounds. Though groundwater is contaminated, no plume has been identified and private wells are not known to be in use near the site. Two public drinking water supply wells are located approximately 300 feet upgradient and 4,600 feet downgradient from the site, and to date, have not been impacted. Additional investigation of surface soil contamination has been recommended.

SYL00115369



SYL00115370

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Brookhaven National Laboratory		Site Code: 152009
Class Code: 2	Region: 1	County: Suffolk
EPA Id: NY7890008975		
Address: William Floyd Parkway / Upton, NY 11973		
Latitude: 40° 51' 35"	Longitude: 72° 52' 10"	Site is on the EPA - National Priorities List.
Site Type: Structure Lagoon Landfill	Estimated Size: 5265 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: United States Government
Current Owner(s) Address: William Floyd Parkway / Upton, NY 11973
Owner(s) during disposal: United States Government
Operator(s) during disposal: Brookhaven National Laboratory
Stated Operator(s) Address: William Floyd Parkway / Upton, NY 11973
Hazardous Waste Disposal Period: From: unknown To: present

Site Description:

This facility includes many disposal areas. Among them are the following: tanks (both above and below ground); cesspools; lagoons; two known landfills; chemical dump sites, and direct discharge to the ground. There are no records of the wastes that were disposed, but information from landfill operations indicates that landfilled wastes included low level radioactive wastes, sewage sludge from the sanitary sewer plant and assorted chemical wastes. Past spills have resulted in a contaminant plume of organics in the groundwater that has spread southeast of the facility. It was also noted that a contaminant plume was emanating from the material storage area. There are several off-site VOC plumes as well as a plume of tritium emanating from the High Flux Beam Reactor although this plume is currently contained on site. There are a number of Interim Remedial Measures (IRMs) in effect to deal with contaminated groundwater. Brookhaven National Lab is a Federal Superfund site. An Interagency Agreement between the DOE, the NYSDEC and the USEPA has been signed for this facility, and several Remedial Investigation/Feasibility Studies (RI/FSs) and removals and remedial actions are in progress.

Confirmed Hazardous Waste Disposal:

Lab Chemicals, petroleum blended fuels

Quantity:

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:	Depth to	
Soil/Rock Type: Sand and gravel.	Groundwater: Range: 40 to 80 feet.	
Legal Action: Type:	Federal Consent Order	Status: Order Signed
Remedial Action:	In Progress	Nature of action: Groundwater and soil treatment.

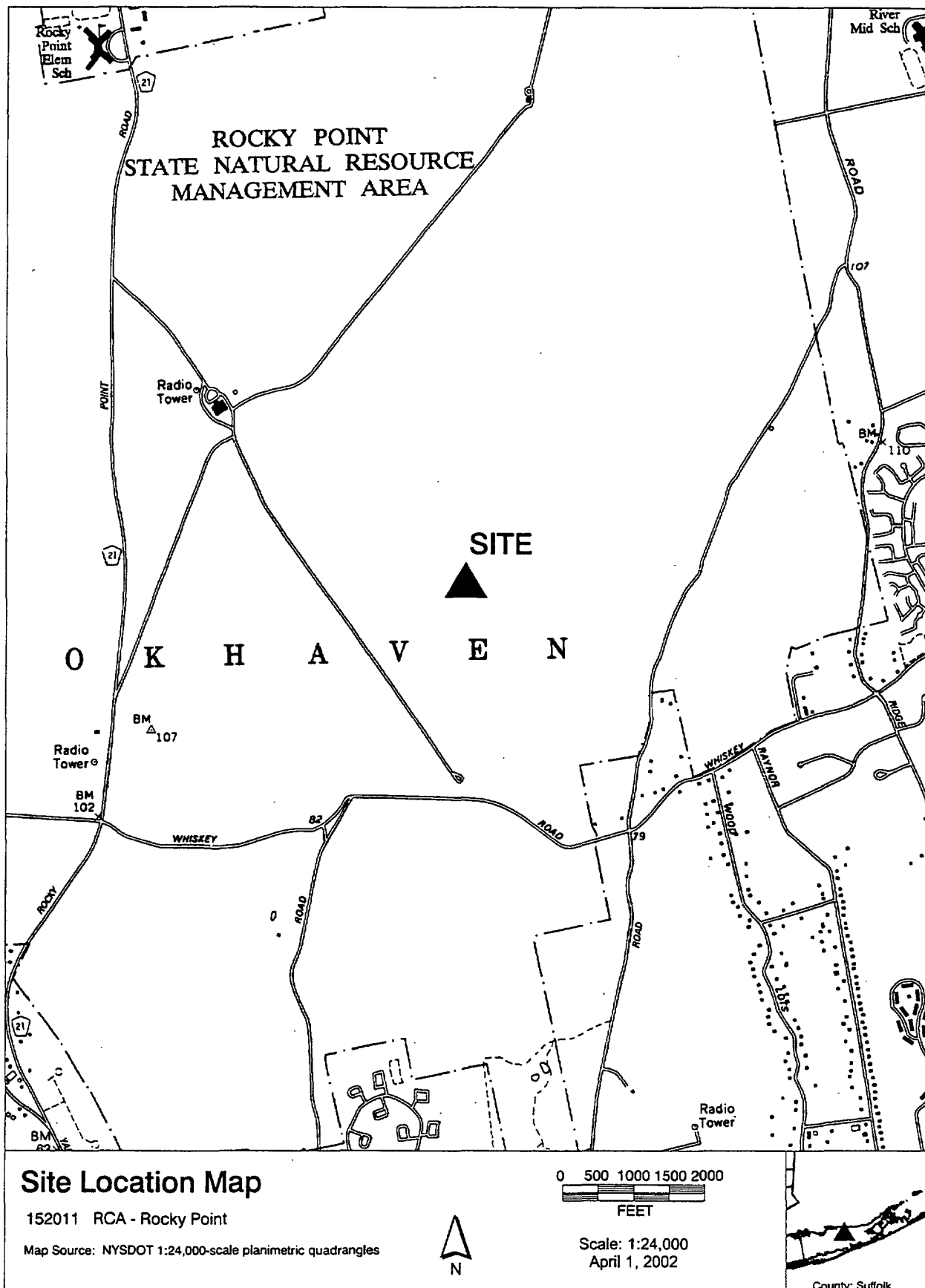
Assessment of Environmental Problems:

Confirmed groundwater contamination in excess of standards exists in a sole source aquifer.

Assessment of Health Problems:

Contamination of air, soil, groundwater, sediment and surface water has been documented. Activities at the site are not known to have impacted soil or air off-site. Private wells off-site have been contaminated with tritium at levels below the drinking water standard and with levels of volatile organic compounds (VOCs) exceeding the drinking water standard. Some of the VOCs probably originate at another nearby site. Approximately 1600 homes downgradient from the facility, including those with the contaminated wells, have been connected to public water. Suffolk County Water Authority wellfields near the site are not contaminated. State and Federal agencies have agreed on remedies for five of six major areas of concern, called operable units, at the site. Environmental sampling for the remaining operable unit, the Peconic River, will be used to evaluate potential exposures to contaminants and to develop appropriate remedial actions.

SYL00115371



SYL00115372

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: RCA - Rocky Point	Site Code: 152011
Class Code: 2 Region: 1 County: Suffolk	EPA Id: NYD980507552
Address: Rocky Point-Middle Island Road / Rocky Point, NY 11778	
Latitude: 40° 55' 0" Longitude: 72° 55' 23"	
Site Type: Structure	Estimated Size: 2 Acres

Site Owner / Operator Information:

Current Owner(s) Name: **NYS Dept. of Environmental Conservation**
Current Owner(s) Address: **Building 40 - State Campus / Stony Brook, NY 11792**
Owner(s) during disposal: **RCA**
Operator(s) during disposal: **RCA**
Stated Operator(s) Address: **Corporate Headquarters / Cherry Hill, NJ 08002**
Hazardous Waste Disposal Period: **From: 1927 To: 1979**

Site Description:

This site was formerly a transcontinental communications station owned by RCA. The property was later sold to NYS for open land. The 5100 acre property consists of a small landfill and buildings that once had PCB contaminated communications equipment. All equipment containing PCBs, some fuel tanks, drums and cylinders have been removed. The PCB spill area outside of building No. 9 was excavated in 1985, then capped and fenced in 1988. A Phase II for just the landfill portion was completed in 1989 and no hazardous wastes were found. The floor, and some contaminated soil in building No. 9, were removed in the fall of 1989. The building was demolished in February of 1990. Building No. 9 remedial work has been completed. During November 1990 the soil removal was completed. Soil containing levels of PCBs above the 10 ppm clean-up standard were removed for disposal. A total of 1,100 tons of material was transported to Lake Point, Utah for disposal.

Confirmed Hazardous Waste Disposal:
PCBs

Quantity:
approx. 200 gallons

Analytical Data Available for:	Groundwater Soil
Applicable Standards Exceeded in:	
Geotechnical Information:	Depth to
Soil/Rock Type: Sand.	Groundwater: Range: 45 to 50 feet.
Legal Action: Type: State Consent Order -IRM	Status: Order Signed
Remedial Action: Complete	Nature of action: PCB removal.

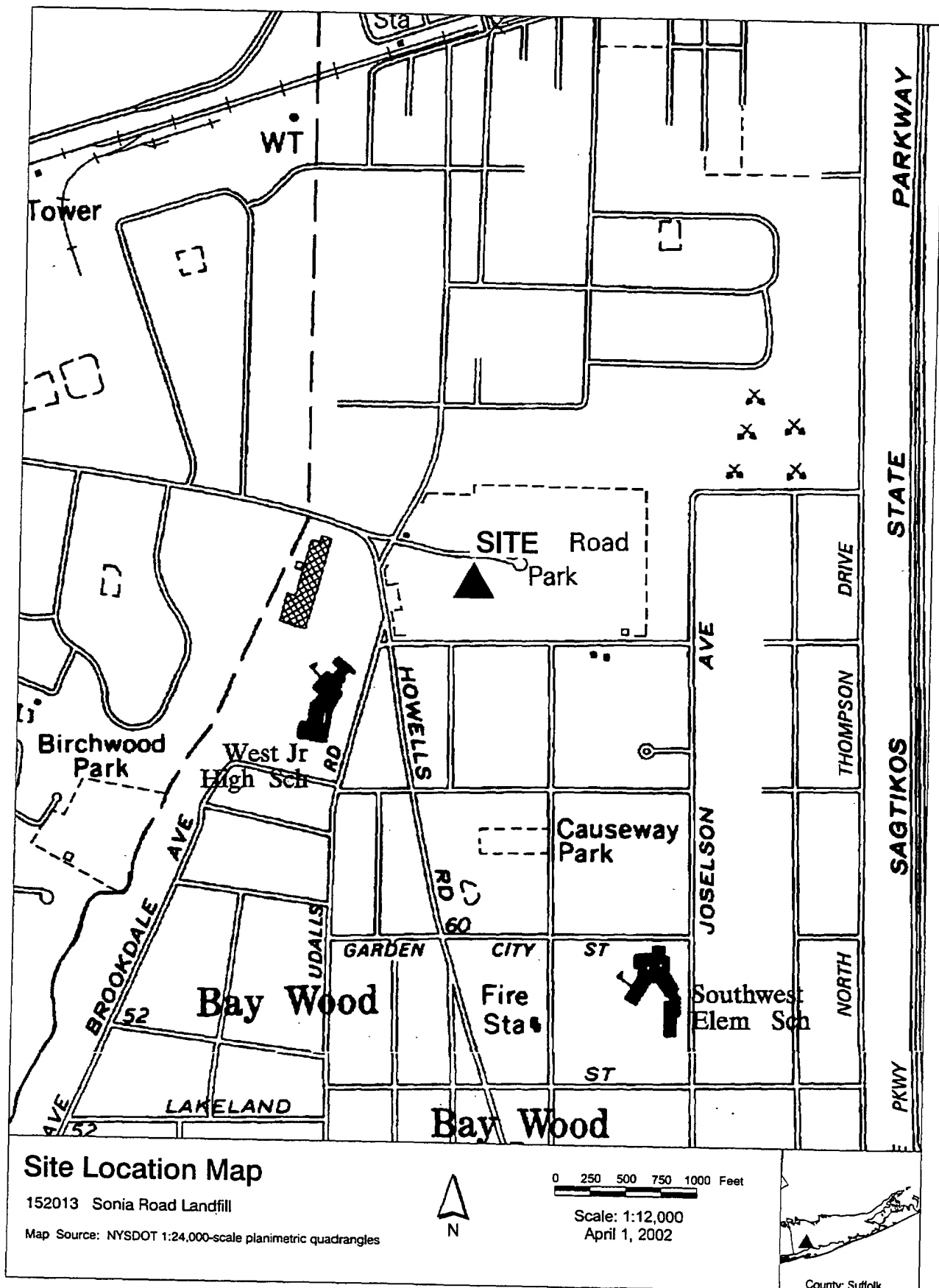
Assessment of Environmental Problems:

Soil and structures were contaminated by PCBs at this site. The contaminated building and soils were removed in 1990.

Assessment of Health Problems:

The RCA Rocky Point site is located within a 5,000 acre New York State Department of Environmental Conservation resource management area where public access is by permit only. Current use of the management area includes hiking, horseback riding and hunting. The removal of polychlorinated biphenyl (PCB) contaminated soil and concrete surfaces from an abandoned on-site building (building # 9) was conducted by the RCA between 1985 and 1989. Contaminated waste materials were placed under a soil cap and the area was fenced to prevent access. Building # 9 was demolished in February of 1990. The investigation of the on-site landfill pit used as a disposal area by RCA did not find hazardous waste. The hazardous waste materials present at site have been removed or covered with a cap, and the area is fenced. Due to the restricted use of this property, exposures to site related contaminants are not expected.

SYL00115373



SYL00115374

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Sonia Road Landfill		Site Code: 152013	
Class Code: 2	Region: 1	County: Suffolk	EPA Id: NYD980509145
Address: Sonia Road / West Brentwood, NY 11706			
Latitude: 40° 45' 33"		Longitude: 73° 17' 29"	
Site Type: Landfill		Estimated Size: 42 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Town of Islip
Current Owner(s) Address: Town Hall - 655 Main Street / Islip, NY 11751
Owner(s) during disposal: Town of Islip
Operator(s) during disposal: Town of Islip
Stated Operator(s) Address: Town Hall - 655 Main Street / Islip, NY 11751
Hazardous Waste Disposal Period: From: 1973 To: 1974

Site Description:

The Sonia Road Landfill is an inactive municipal solid waste landfill that is owned and was operated by the Town of Islip from 1965 to 1977. The landfill is generally rectangular in shape and comprises approximately 42 acres. The entire landfill is fenced and the main access is through a gate along Corbin Avenue. The landfill is divided into two sections by an earthen berm which runs north and south through the approximate center of the site. Subsequent to waste disposal, the eastern section was converted into sports fields which have since been closed due to differential settling. Tall weeds, phragmites and small trees cover most portions of the western section of the site. On March 29, 1996, an Order on Consent was signed between the Town of Islip and the NYSDEC requiring a Remedial Investigation/Feasibility Study (RI/FS). Fieldwork for the RI/FS was conducted between February 1997 and January 1998. The July 1998 ROD recommends construction of a low permeability cap over the landfill, installing an active methane gas control system, and continued gas and groundwater monitoring. The Town completed a fast-track remedial design which began in July 1998 and was approved in January 1999. Construction began in February 1999 and was substantially completed on October 11, 2000.

Confirmed Hazardous Waste Disposal:

PVC, Trimellitate
2-Ethylhexanol
1,1,1-Trichloroethane(TCA)

Quantity:

400 cubic yards
(mixed with gravel)
unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Sand.		Groundwater: Range: 5 to 30 feet.
Legal Action: Type: State Consent Order -EQBA		Status: Order Signed
Remedial Action: Complete	Nature of action: Cap and monitoring.	

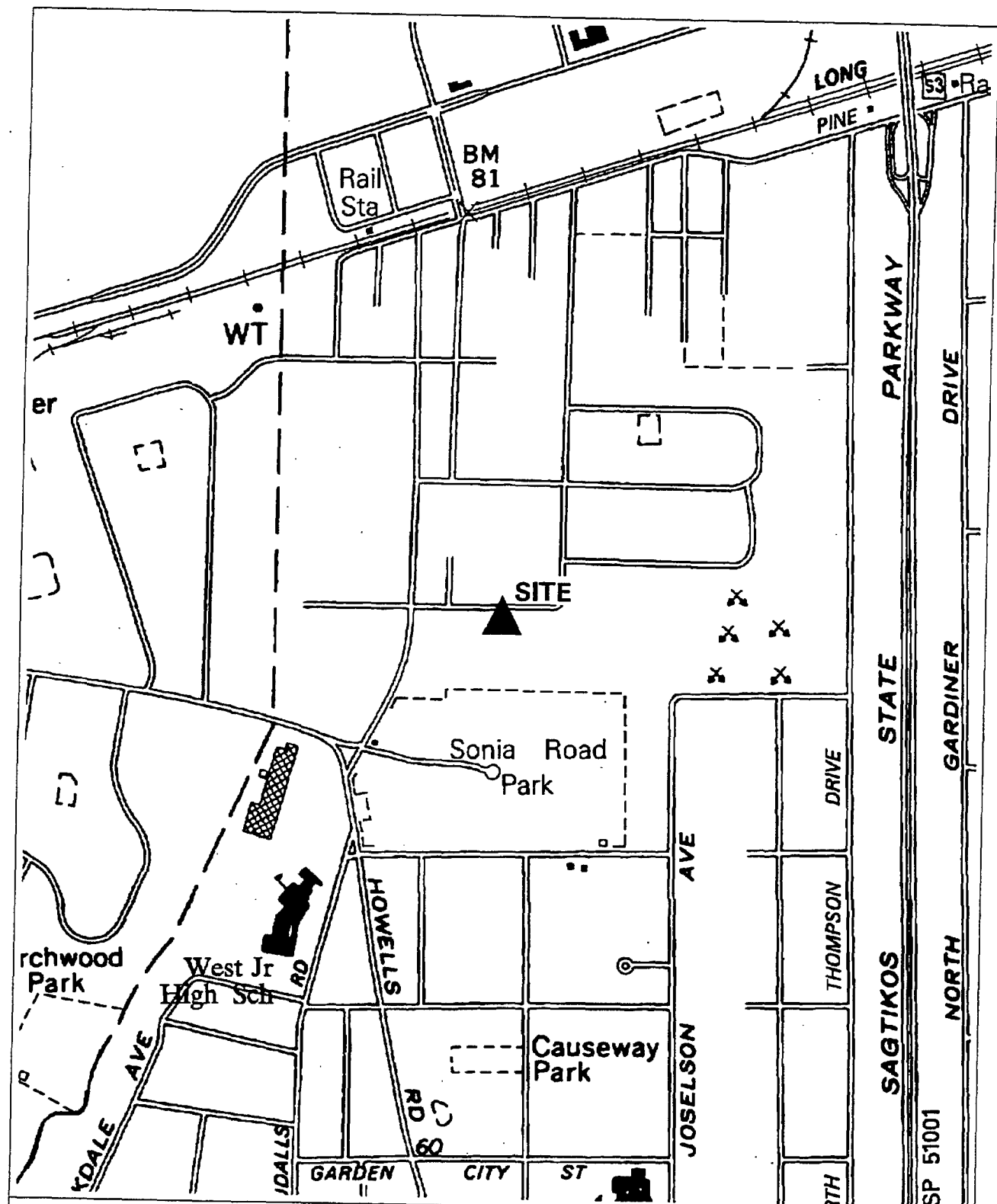
Assessment of Environmental Problems:

The potential for off-site migration of methane gas exists. This will be addressed with an active gas collection system as part of the remedy.

Assessment of Health Problems:

The landfill is the source of a groundwater contaminant plume identified by the Suffolk County Department of Health. Routine testing of public supply wells in the general vicinity of the landfill has detected no impact from the contaminant plume. All residences and buildings in the area of the site are connected to the public water supply. Site access by trespassers continues to occur through holes cut in the fence surrounding the site; however, the site is capped which minimizes the potential for exposure through direct contact.

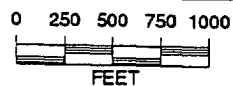
SYL00115375



Site Location Map

152015 Chemical Pollution Control

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000

April 1, 2002



County: Suffolk

SYL00115376

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Chemical Pollution Control	Site Code: 152015
Class Code: 2a Region: 1 County: Suffolk	EPA Id: NYD082785429
Address: 120 South 4th Street / Bay Shore, NY 11706	
Latitude: 40° 45' 45" Longitude: 73° 17' 23"	
Site Type: Structure	Estimated Size: 1 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Hollow Properties, Inc.
Current Owner(s) Address: Broad Hollow Road / East Farmingdale, NY 11735
Owner(s) during disposal: Hollow Properties, Inc.
Operator(s) during disposal: Chemical Pollution Control
Stated Operator(s) Address: 120 South 4th Street / Bay Shore, NY 11706
Hazardous Waste Disposal Period: From: 1975 To: present

Site Description:

Chemical Pollution Control operates a commercial storage, treatment, and transfer facility. They have eight tanks which are used to store and treat hazardous waste. The tanks are used to store and blend oils, non-halogenated solvents, other ignitable hazardous waste, various organic wastewaters, storing and blending of different types of acids, storing and blending alkalis of sodium hydroxide and calcium hydroxide, and open drums used to clean/rinse drums which contain hazardous wastes. In 1981, the Suffolk County Department of Health identified ten spills of toxic and hazardous materials, which may pose a threat to the groundwater. The responsible party has completed the Phase II field work and submitted their report. Additional off-site Preliminary Site Assessment (PSA) work was completed in the fall of 2000.

Confirmed Hazardous Waste Disposal:

Volatile organic chemicals

Quantity:

unknown

Analytical Data Available for:	
Applicable Standards Exceeded in:	
Geotechnical Information:	Depth to
Soil/Rock Type: Sand.	Groundwater: Range: 5 to 10 feet.
Legal Action: Type:	Status:
Remedial Action:	Nature of action:

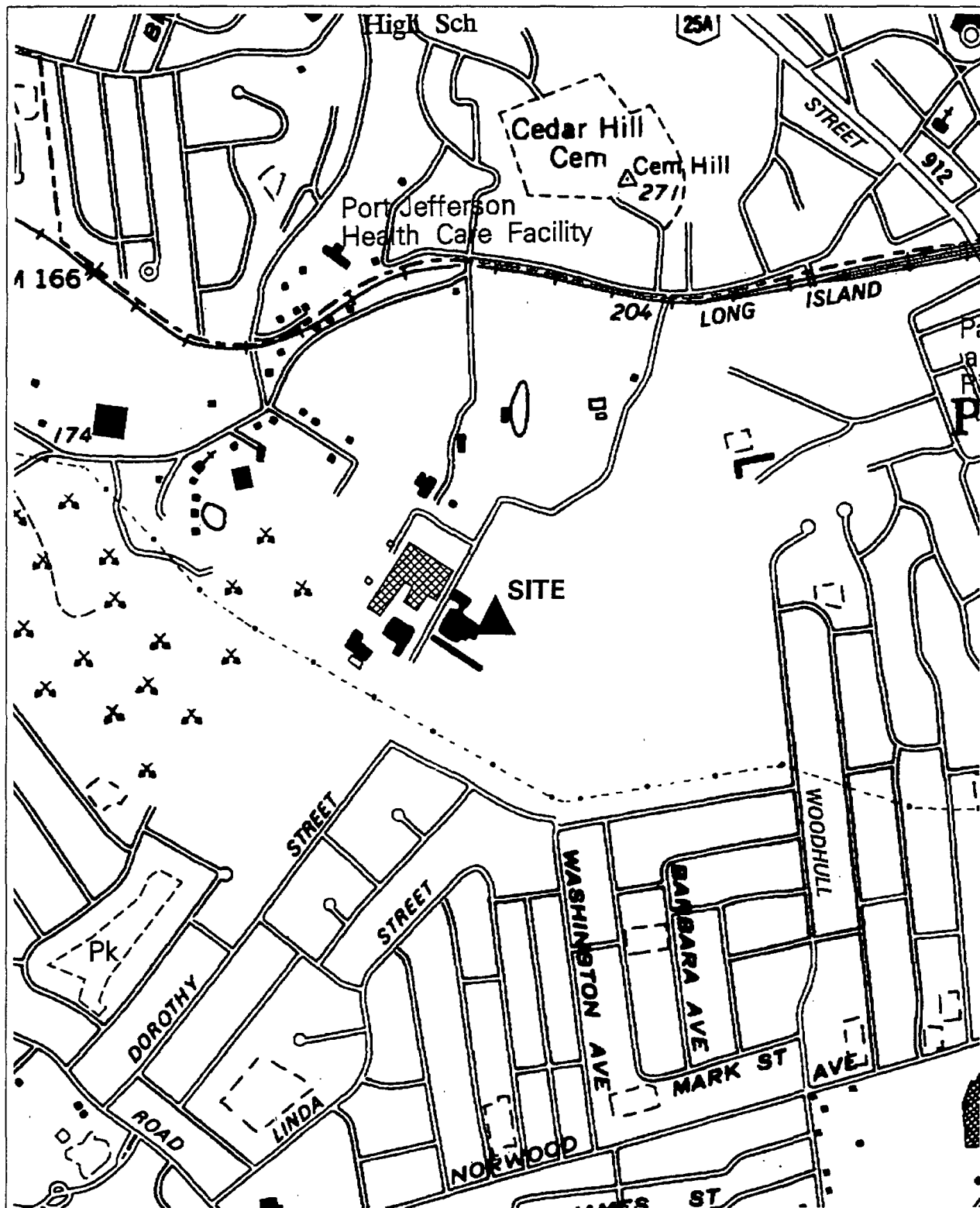
Assessment of Environmental Problems:

Several pathways of contaminant migration are possible at this site.

Assessment of Health Problems:

Groundwater at the site is contaminated with metals at concentrations which exceed New York State standards for public drinking water supplies. Exposures to contaminated groundwater are not expected as the area is served by public water. A downgradient public drinking water supply well (Morgan Avenue) is not contaminated. The wellfield is sampled quarterly to verify compliance with public drinking water standards. The site is entirely paved and surrounded by a chain link fence, so direct contact with site-related contaminants is unlikely.

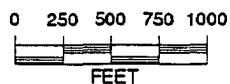
SYL00115377



Site Location Map

152016 Lawrence Aviation Industries

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000

April 1, 2002



County: Suffolk

SYL00115378

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name:	Lawrence Aviation Industries			Site Code:	152016
Class Code:	2	Region:	1	County:	Suffolk
Address:	Sheep Pasture Road / Port Jefferson Station, NY 11776				
Latitude:	40° 55' 41"	Longitude:	73° 3' 59"	Site is on the EPA - National Priorities List.	
Site Type:	Structure	Lagoon	Estimated Size: 125.8 Acres		

Site Owner / Operator Information:

Current Owner(s) Name: Lawrence Aviation-Ledkote Products
Current Owner(s) Address: Sheep Pasture Road / Port Jefferson Station, NY 11776
Owner(s) during disposal: Lawrence Aviation
Operator(s) during disposal: Lawrence Aviation
Stated Operator(s) Address: Sheep Pasture Road / Port Jefferson Station, NY 11776
Hazardous Waste Disposal Period: From: 1959 To: 1991

Site Description:

This site is an industrial manufacturing company. The company produces titanium sheet metal for use in the aviation industry. The waste generated from manufacturing includes fluorides, sludges, caustic acids and halogenated solvents. The site is located in a residential and commercial section of Port Jefferson. Wastes were dumped in several areas on-site including lagoons and cesspools. Inspections done by the Suffolk County Health Department in 1980 identified the presence of hazardous waste disposal. A Phase I Investigation was completed in January of 1986.

A RCRA drum removal was completed in 1991. Private wells and a downgradient monitoring well were found to be contaminated. Homeowners whose wells were contaminated were hooked up to Suffolk County Water Authority water mains by the USEPA. A pond and a creek located downgradient of the site have also been contaminated, resulting in a significant threat to the environment. Indiscriminate disposal practices and improper hazardous waste storage have led to the elevated groundwater contamination. The Division of Environmental Enforcement (DEE) has failed to negotiate a Consent Order for a Remedial Investigation/Feasibility Study (RI/FS). The site was referred to State Superfund for a RI/FS which has been initiated by the DEC. Preliminary results identified several contaminated private wells. Those homes have now all been connected to the Suffolk County Water Authority. The State funded RI/FS is currently on hold due to the property owner denying the DEC access to the site. The Attorney General's office has gained access to the site. The DEC has completed a preliminary RI Report and has transferred responsibility to the USEPA, as the Lawrence Aviation Site is now on the National Priorities List (NPL). A RI work plan has been finalized by the USEPA.

Confirmed Hazardous Waste Disposal:

Fluorides TCE
Acids
Metal waste (sludge)
Halogenated solvents
Hydrofluoric acid

Quantity:

unknown
unknown
unknown
unknown
unknown

Analytical Data Available for:	Groundwater	Surface Water
Applicable Standards Exceeded in:	Groundwater	Surface Water
Geotechnical Information:	Depth to	
Soil/Rock Type: Sand.	Groundwater: Range: 170 to 180 feet.	
Legal Action: Type:	Status:	
Remedial Action:	Nature of action:	

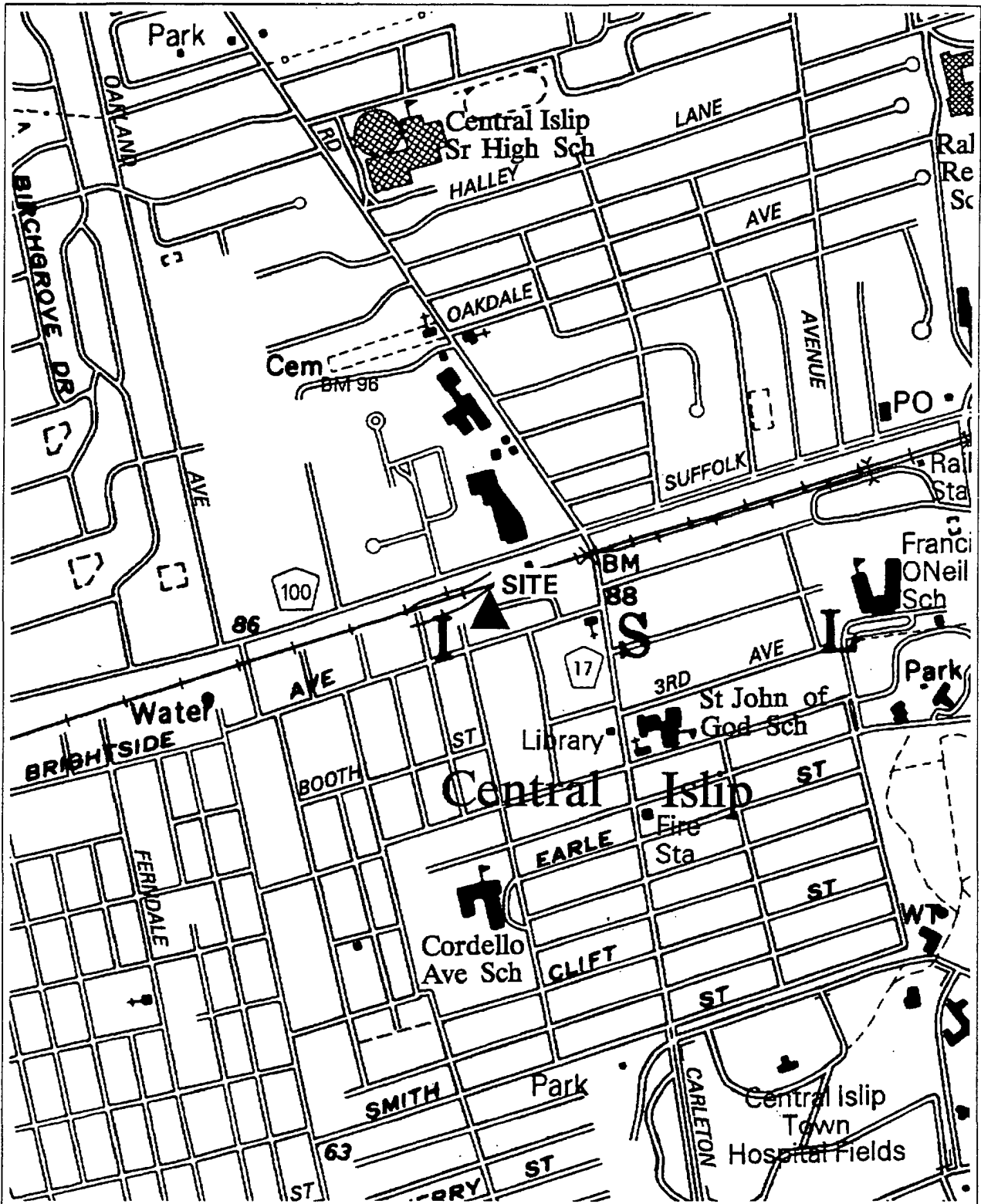
Assessment of Environmental Problems:

There is confirmed contamination of groundwater and surface water with trichloroethylene, tetrachloroethylene and lead at this site. This area overlies a sole source aquifer.

Assessment of Health Problems:

A fence surrounds this active industrial site; therefore, dermal exposures to potentially contaminated surface soils are unlikely. The extent of off-site surface soil contamination due to surface runoff has not been determined. Testing of private wells in 1997 and 1998 shows site-related contamination in drinking water supply wells downgradient of the site, resulting in the connection of ten homes to a public drinking water supply. A Suffolk County Water Authority (West Broadway) public wellfield located one mile downgradient is monitored quarterly and to date has not been affected by site-related contamination. A public pond has been posted to advise residents of the presence of contaminants in the waters.

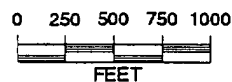
SYL00115379



Site Location Map

152017 MacKenzie Chemical Company

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Suffolk

SYL00115380

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: MacKenzie Chemical Company		Site Code: 152017
Class Code: 2	Region: 1	County: Suffolk
Address: One Cordello Avenue / Central Islip, NY 11722		EPA Id: NYD980753420
Latitude: 40° 47' 21"	Longitude: 73° 12' 15"	Site is on the EPA - National Priorities List.
Site Type: Structure	Estimated Size: 2 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **Savita Sen and Nutan Anand**
 Current Owner(s) Address: **43 Lewis Drive / Melville, NY 11747**
 Owner(s) during disposal: **MacKenzie Chemical Company**
 Operator(s) during disposal: **MacKenzie Chemical Company**
 Stated Operator(s) Address: **One Cordello Avenue / Central Islip, NY 11722**
 Hazardous Waste Disposal Period: **From: 1958 To: 1982**

Site Description:

This site was a chemical manufacturing company with a history of poor operation. Significant quantities of assorted waste chemicals were dumped into on-site cesspools. There were numerous instances of chemicals leaking out of tanks and drums directly onto the ground. A large fire in 1984, caused by improper manufacturing processes, destroyed a building on the property. An EPA Site Investigation and a Phase II Investigation have been completed. The disposal of hazardous wastes (including tetrachloroethane) while this property was occupied by the MacKenzie Chemical Company has been confirmed. Groundwater samples reveal tetrachloroethane contamination at levels exceeding the applicable standard and show that the tetrachloroethane contamination in the groundwater is migrating away from the site. A State funded Remedial Investigation began in November, 1998. Preliminary findings indicate that significant quantities of 1,2,3 Trichloropropane (1,2,3 TCP) are present in the on-site soils and in the groundwater downgradient from the site. A draft RI/FS report was forwarded to USEPA on September 1, 2000. The USEPA added this site to the NPL on September 13, 2001.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene (PCE) -F001, F002
 1,1,1-Trichloroethane (TCA) -F001, F002
 Xylenes -F003, U239
 Methyl-ethyl-ketone (Mek) -F005
 1,2,3 Trichloropropane

Quantity:

unknown
 unknown
 unknown
 unknown
 unknown

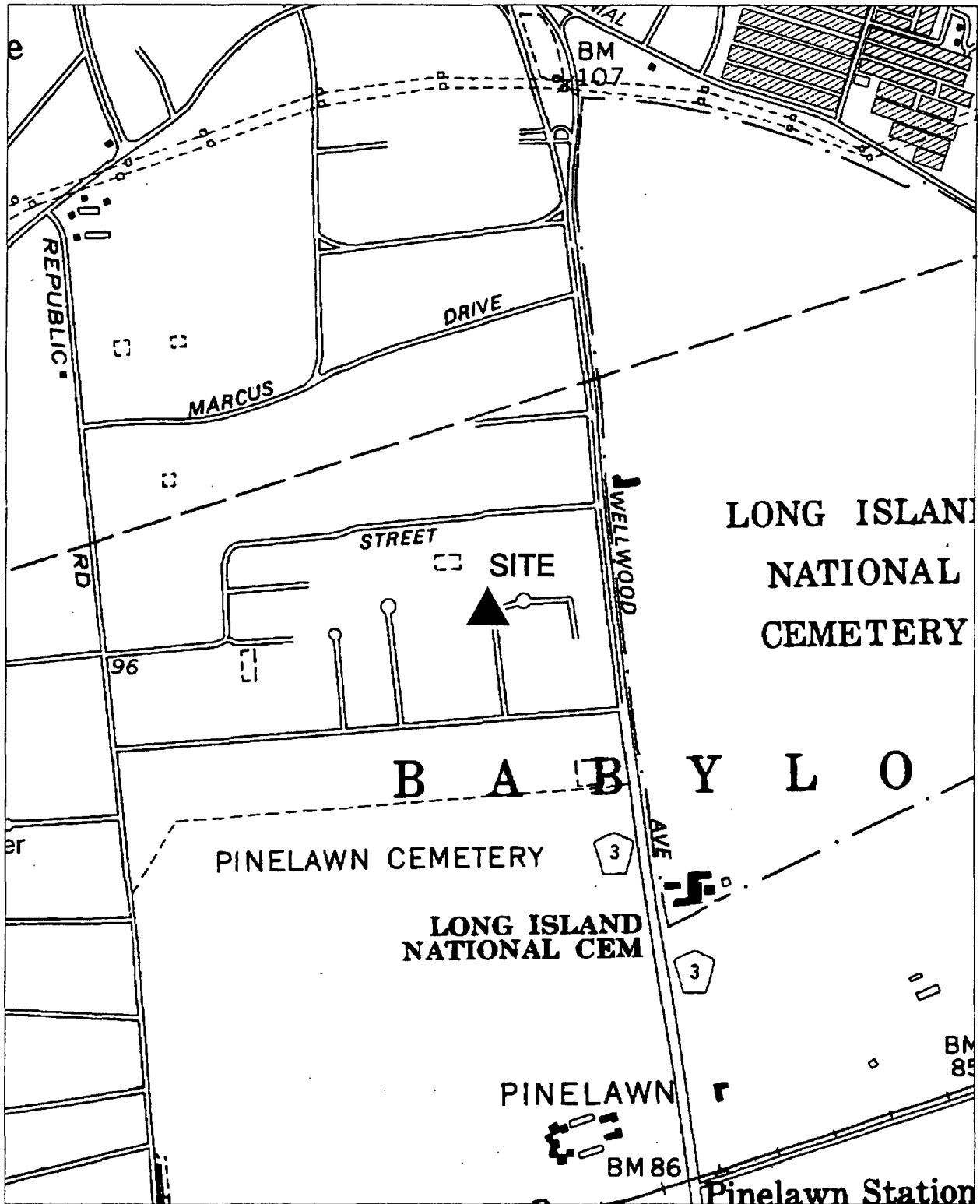
Analytical Data Available for:	Groundwater Soil
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	Depth to
Soil/Rock Type: Sand.	Groundwater: Range: 30 to 40 feet.
Legal Action: Type:	Status:
Remedial Action:	Nature of action:

Assessment of Environmental Problems:

Past site operations have contaminated the groundwater within a sole-source aquifer at and downgradient of the site with various hazardous wastes (and possible hazardous substances) including tetrachloroethane.

Assessment of Health Problems:

The site overlies the Magothy aquifer, which is used as a drinking water source for Suffolk County. One Suffolk County Water Authority (SCWA) public supply well is one half mile southeast of the site. The well is routinely sampled by SCWA and no site-related contamination has been found. The site is fenced, but physical hazards are still a concern. The gate was not locked during a site visit by agency staff, and there was evidence of trespass. The fence is low enough for children to easily climb thereby gaining access to the property and the three abandoned buildings on site. The old laboratory building is filled with old tires, and there was a strong solvent odor in the building during the site visit. The structural stability of this building is questionable. Soil gas samples at the site perimeter contained high levels of chlorinated solvents, however off-site soil gas sampling indicated that soil gas will not impact the air quality in nearby structures.



Site Location Map

152021 Cantor Brothers, Inc.

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115382

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Cantor Brothers, Inc.			Site Code: 152021
Class Code: 2	Region: 1	County: Suffolk	EPA Id: NYD001367150
Address: 50 Engineers Lane / Farmingdale, NY 11735			
Latitude: 40° 45' 20"		Longitude: 73° 24' 19"	
Site Type: Structure		Estimated Size: 3.2 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **LJM Associates**
 Current Owner(s) Address: **50 Engineers Lane / Farmingdale, NY 11735**
 Owner(s) during disposal: **Cantor Brothers, Inc.**
 Operator(s) during disposal: **Cantor Brothers, Inc.**
 Stated Operator(s) Address: **50 Engineers Lane / PO Box 126 / Farmingdale, NY 11735**
 Hazardous Waste Disposal Period: **From: 1975 To: 1990**

Site Description:

Cantor Brothers was a chemical repackaging and handling facility, which had been in operation since 1964. This site is located in a flat industrial area and is surrounded by manufacturing and commercial facilities. It consisted of a building with drum storage areas, and 16 underground tanks. Organic solvents, creosote, and fuel oils have been observed leaking from drums and storage tanks at the facility. Site inspections conducted by the Suffolk Co. Dept. of Health Services (SCDHS) since 1980 have documented numerous spills, illegal discharges, and improper storage conditions. The SCDHS arranged for the installation of five monitoring wells near the southern boundary line of the Cantor Brothers Inc. site. Phase I and Phase II Investigations have been completed for this site. Monitoring wells installed during the Phase II Investigation showed the presence of tetrachloroethylene at 3700 ppb, 1,1,1-trichloroethane at 19 ppb, and trichloroethylene at 100 ppb in the downgradient monitoring wells, compared to 110 ppb, 3 ppb, and 33 ppb respectively in the upgradient wells. The facility ceased operating in 1990. The PRP filed for Bankruptcy in 1993. The New York State Attorney General represented the NYSDEC in Bankruptcy Court to request funding for an Interim Remedial Measure (IRM) Investigation. The IRM Investigation was completed in February 1997 and the final summary report has been approved. A final agreement and Stipulated Order has been signed directing final site remediation. Money, in the amount of \$200,000, from the bankruptcy proceedings has been set aside in escrow to cover the storm drain cleaning and soil vapor extraction (SVE) remediation. The SVE system was constructed in the summer of 1998 and is now on line. The storm drain cleaning was completed in 1998. The DEC has released a Proposed Remedial Action Plan (PRAP), calling for no further action upon completion of the SVE System. A ROD was signed in March 2000. The SVE system must be expanded and the remaining soils contaminated with semivolatile organic compounds will be excavated and disposed off site.

Confirmed Hazardous Waste Disposal:

Organic solvents, fuel oils, creosote
 Creosote
 Arsenic
 Tetrachloroethylene (PCE or "perc.")
 Dichloroethylene
 Trichloroethylene (TCE) (U228- FOO1)
 1,1,1-trichloroethane (TCA)

Quantity:

unknown
 unknown
 unknown
 unknown
 unknown
 unknown

Analytical Data Available for:	Groundwater	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater		
Geotechnical Information:		Depth to	
Soil/Rock Type: Sand and gravel.		Groundwater: Range: 30 to 35 feet.	
Legal Action: Type: State Voluntary Order		Status: Order Signed	
Remedial Action: In Progress		Nature of action: Soil vapor extraction + storm drain cleaning.	

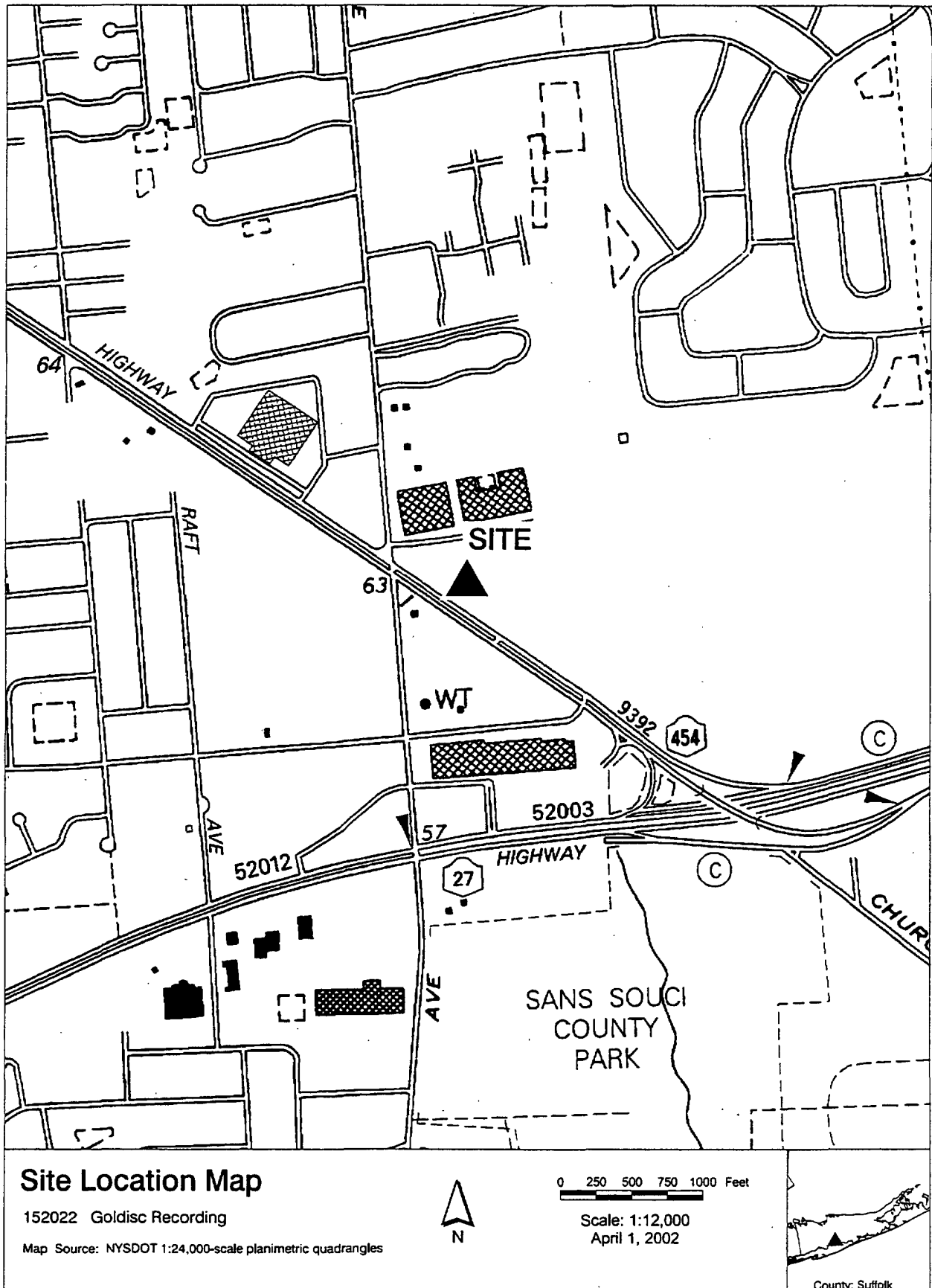
Assessment of Environmental Problems:

Organic solvents, fuel oil and creosote leaked from drums and tanks and contaminated soils and groundwater on site. Chemicals discharged into a storm drain on site.

Assessment of Health Problems:

The majority of the site is paved and contaminated soils are about three feet below the surface. Therefore, exposures to contaminated soils are not expected. These soils are being remediated via a soil vapor extraction system. Exposure to contaminated groundwater is unlikely as the area is served by public drinking water supplies. Public water supply wells have not been contaminated by this site.

SYL00115383



SYL00115384

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Goldisc Recording		Site Code: 152022	
Class Code: 2	Region: 1	County: Suffolk	EPA Id: NYD980768717
Address: Broadway Avenue / Holbrook, NY 11741			
Latitude: 40° 46' 26"		Longitude: 73° 3' 53"	
Site Type: Structure		Site is on the EPA - National Priorities List.	
		Estimated Size: 18 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **The First Holbrook Company**
 Current Owner(s) Address: **6010 Roosevelt Avenue / Woodside, NY 11377**
 Owner(s) during disposal: **The First Holbrook Company**
 Operator(s) during disposal: **Goldisc Recording**
 Stated Operator(s) Address: **Broadway Avenue / Holbrook, NY 11741**
 Hazardous Waste Disposal Period: **From: 1968 To: 1983**

Site Description:

This site was operated for approximately 15 years, from 1968 to June 1983. The primary chemical wastes generated included nickel plating wastes, hydraulic oil, solvents and polyvinyl chloride. Manufacturing at the facility required particularly large quantities of vinyl and nickel for the vinyl record compression molding and electroplating processes. Wastewater from the plating room flowed from floor drains to two large capacity outdoor storage tanks. Several drums containing waste chemicals were stored in the tank area. The Suffolk County Dept. of Health documented several inspections where leaking drums containing plating wastes and oil were noted to be entering storm drains and leaching facilities on site. Chemical analyses of groundwater revealed the presence of oil, solvent and heavy metal contamination; 1,2,4-trimethylbenzene at 34 ppb, toluene at 110 ppb, 1,3,5-trimethylbenzene at 15 ppb, nickel at 52 ppb, chromium at 27.5 ppm and cadmium at 1 ppm which exceeded NYS Groundwater Standards. Oil was repeatedly found in the pools on site up to depths of 12 feet. The sump area, which received 360,000 gallons per day of thermal discharge while the facility was in operation, was found to be contaminated by plating wastes.

A Consent Order was signed with the USEPA for additional Remedial Investigation. This site is on the National Priorities List (NPL). A Remedial Investigation/ Feasibility Study (RI/FS) was completed in September 1995, and a Record of Decision (ROD) was issued in September 1995. The Remedial Alternative was completed in the Summer of 1997. This consisted of groundwater sampling and soil removal at the rear of the building and from four leaching pits adjacent to the facility. A groundwater monitoring program consisting of quarterly monitoring is currently being conducted by USEPA.

Confirmed Hazardous Waste Disposal:

Plating wastes
 Solvents
 Polyvinyl chloride

Quantity:

unknown
 unknown
 unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:		Depth to
Soil/Rock Type: Sand.		Groundwater: Range: 25 to 30 feet.

Legal Action: Type:	Federal Consent Order -RI/FS	Status: Order Signed
Remedial Action:	In Progress Complete	Nature of action: Soil removal + groundwater sampling.

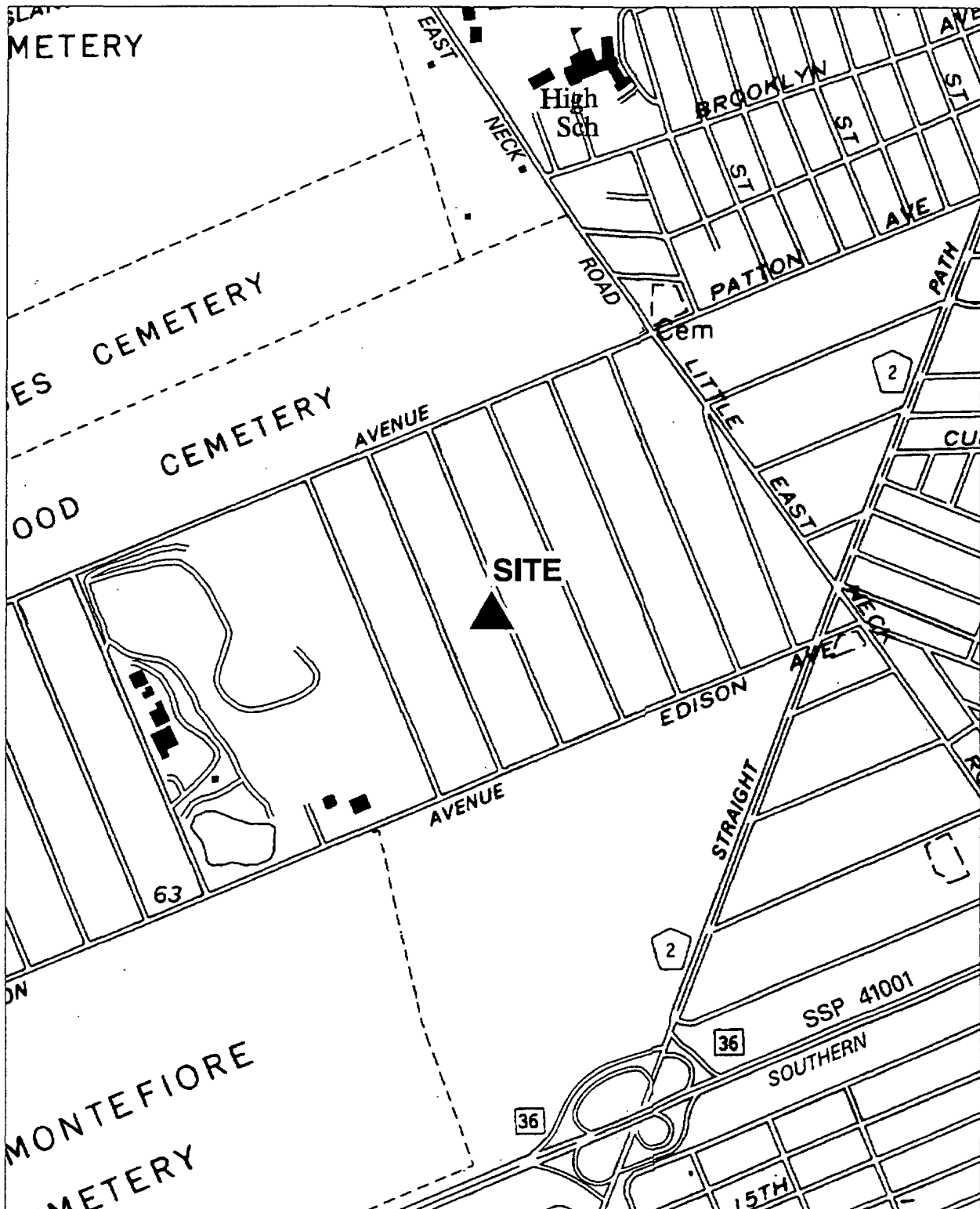
Assessment of Environmental Problems:

Groundwater and soils have been contaminated due to hazardous waste disposal. Groundwater has been contaminated at levels above NYS standards in a sole source drinking water aquifer.

Assessment of Health Problems:

Contaminated surface soils were excavated and removed from the site, eliminating the potential for exposure to contaminants and leaching of nickel to the groundwater. The Suffolk County Water Authority's Church Street Wellfield is 1080 feet downgradient of the site and well #2 in the wellfield is contaminated with nickel. The Suffolk County Water Authority removed this well from routine service in 1993. It is now used only during periods of peak demand when it is blended with other wells to keep the nickel levels below the United States Environmental Protection Agency Health Advisory Level (and New York State Department of Environmental Conservation's groundwater standard) of 100 micrograms per liter. On-going groundwater monitoring show levels of nickel below 100 micrograms per cubic meter at the wellfield. If groundwater testing detects nickel exceeding this level, additional remedial options will be evaluated.

SYL00115385



Site Location Map

152025 Pride Solvents and Chemical Company

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000

April 1, 2002



County: Suffolk

SYL00115386

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Pride Solvents and Chemical Company			Site Code: 152025
Class Code: 2	Region: 1	County: Suffolk	EPA Id: NYD057722258
Address: 78 - 88 Lamar Street / West Babylon, NY 11704			
Latitude: 40° 44' 10"		Longitude: 73° 22' 41"	
Site Type: Structure		Estimated Size: 1.3 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: 78 - 88 Lamar Reality Corporation
Current Owner(s) Address: 78 - 88 Lamar Street / West Babylon, NY 11704
Owner(s) during disposal: Arthur Dhom, Jr.
Operator(s) during disposal: Pride Solvents and Chemical Company
Stated Operator(s) Address: 78 - 88 Lamar Street / West Babylon, NY 11704
Hazardous Waste Disposal Period: From: 1973 To: 2001

Site Description:

This site is a chemical and solvent distribution and reclamation facility located in the area east of the Babylon Landfill. Pride Solvents was issued a SPDES permit on March 14, 1979. The Suffolk County Department of Health Services cited the facility with violations of its SPDES permit in 1980 and 1982. In March 1980, samples obtained from two storm drains on the property contained TCE above the SPDES permit limits. In November 1982, samples were obtained from a storm drain which contained toluene above the SPDES permit limits. The current RCRA Part B permit was issued to Pride by the NYSDEC in June 1995. In 1990, twelve of sixteen underground storage tanks were removed and the remaining four were abandoned in place by filling them with concrete. Based on field screening during the tank removal, fifty cubic yards of contaminated soil were removed. In 1993, an on-site groundwater monitoring well located downgradient of the buildings revealed contamination with chlorinated solvents and other chemicals. Wells upgradient of the buildings revealed much lower levels of contamination. The PRP has refused to install any deep on-site monitoring wells or conduct an off-site investigation. In September 1999, the site was referred to the State Superfund to conduct an off-site RI/FS. As part of the off-site RI/FS work plan, results from historic investigations were used to locate hydropunch sampling locations. The results from the off-site hydropunch sampling were used to place the deep monitoring wells downgradient of the site. The wells downgradient of the site revealed the presence of VOCs. Pride Solvents started the closure process with NYSDEC for their RCRA Part B permit to cease operations as a hazardous waste TSDF in 2001. The PRP has refused to conduct an on-site and off-site RI/FS. In May 2001, the site was referred to the State Superfund to conduct an on-site and additional off-site RI/FS. As part of the work plan, groundwater and soil samples will be collected on-site. In January 2002, the on-site RI field work was completed. After the results have been collected, an off-site investigation will be conducted.

Confirmed Hazardous Waste Disposal:

Organic solvents (TCE, Toluene, Methyl Chloride)
Heavy Metals (Iron, Manganese)
1,1,1-TCA, methylene chloride, tetrachloroethene
Freon-113, 1,1,3-trimethylbenzene

Quantity:

unknown
unknown
unknown
unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Sand-rich loam.		Groundwater: Range: 10 to 15 feet.
Legal Action: Type:		Status:
Remedial Action:		Nature of action:

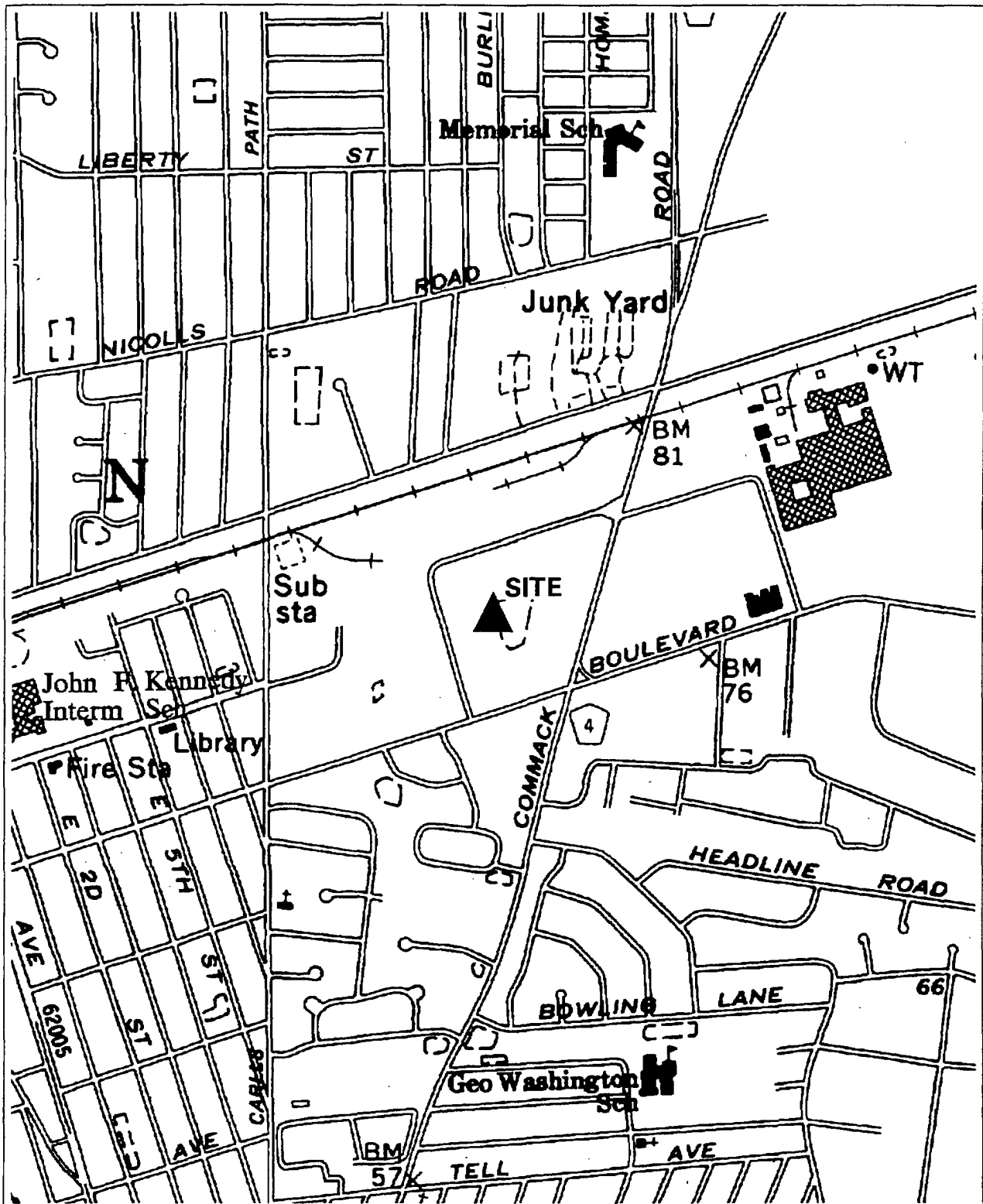
Assessment of Environmental Problems:

There is contamination of a sole source aquifer at levels above NYS Standards and Guidelines. Groundwater and soils have been contaminated due to leaking underground solvent tanks, improper solvent handling procedures and the distillation process.

Assessment of Health Problems:

Groundwater is the primary source of drinking water in the area. Private wells located downgradient of the site and adjoining the industrial area are contaminated with several organic compounds, including up to 5,400 micrograms per liter of trichloroethene. Public water is available to these residences and the affected private wells have been abandoned. Public water supply wells are located within 1.25 miles downgradient of the site. No contamination has been detected in these wells. Routine sampling of these wells will continue. The two contaminated dry wells on-site have been remediated. The soil removal eliminated the possibility of exposure to contaminated soils via direct contact or ingestion.

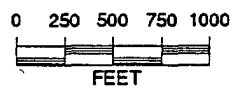
SYL00115387



Site Location Map

152026 SMS Instruments, Inc.

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000

April 1, 2002



County: Suffolk

SYL00115388

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: SMS Instruments, Inc.		Site Code: 152026
Class Code: 2	Region: 1	County: Suffolk
EPA Id: NYD001533165		
Address: 120 Marcus Boulevard / Deer Park, NY 11729		
Latitude: 40° 45' 43"	Longitude: 73° 18' 55"	Site is on the EPA - National Priorities List.
Site Type: Dump	Estimated Size: 1.5 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Sol M. Schusheim
Current Owner(s) Address: 185 Woodmere Road / Woodmere, NY 11598
Owner(s) during disposal: Sol M. Schusheim
Operator(s) during disposal: Sol M. Schusheim
Stated Operator(s) Address: 120 Marcus Boulevard / Deer Park, NY 11729
Hazardous Waste Disposal Period: From: 1971 To: present

Site Description:

SMS Instruments has operated at the Marcus Boulevard site since 1971. The company has mainly been contracted by the government to overhaul military aircraft components. Waste streams generated from processing include naphtha and petroleum distillates, heavy metals, and a variety of halogenated and nonhalogenated solvents. These chemical wastes were disposed down floor drains and ultimately reached an outdoor leaching facility. The Suffolk Co. Dept. of Health conducted several site investigations from 1979 to 1980 and discovered solvent and heavy metal contamination: (iron at 61 ppm, zinc at 56 ppm, lead at 45 ppm and cadmium at 25 ppm) in the effluent that was leaching from the facilities on-site. Violations at the site included effluent discharge in excess of groundwater standards and criteria, improper storage and disposal of hazardous wastes, and failure to apply for a SPDES Permit. Eight hundred gallons of water/solvent waste were dumped from a leaching pool in March of 1980. Five monitoring wells were installed to define local groundwater quality. Excessive levels of solvents, particularly xylene at 12,000 ppb, were discovered in the groundwater in August of 1980. This sampling effort led to a request for a tank system test in 1981 that suggested discharge to the ground and potential contamination of groundwater. Drums containing waste chemicals were inadequately stored at the site. A groundwater recharge basin is only 50 feet away and a public supply well is one mile south. A Remedial Investigation / Feasibility Study (RI/FS) was completed in 1989 by the USEPA. The soil vapor extraction system was terminated in 1994. A remedial design has been completed, and a groundwater pump and treat system is currently operating on the site.

Confirmed Hazardous Waste Disposal:

Solvents and degreasers
Solvent and degreasers
Used solvents
Heavy metals

Quantity:

40 drums; 1981
unknown
15-20 drums; 1983

Analytical Data Available for:	Groundwater	Surface Water
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Sand and gravel.		Groundwater: Range: 15 to 20 feet.

Legal Action: Type:	Status:
Remedial Action: In Progress	Nature of action: Groundwater pump & treat system.

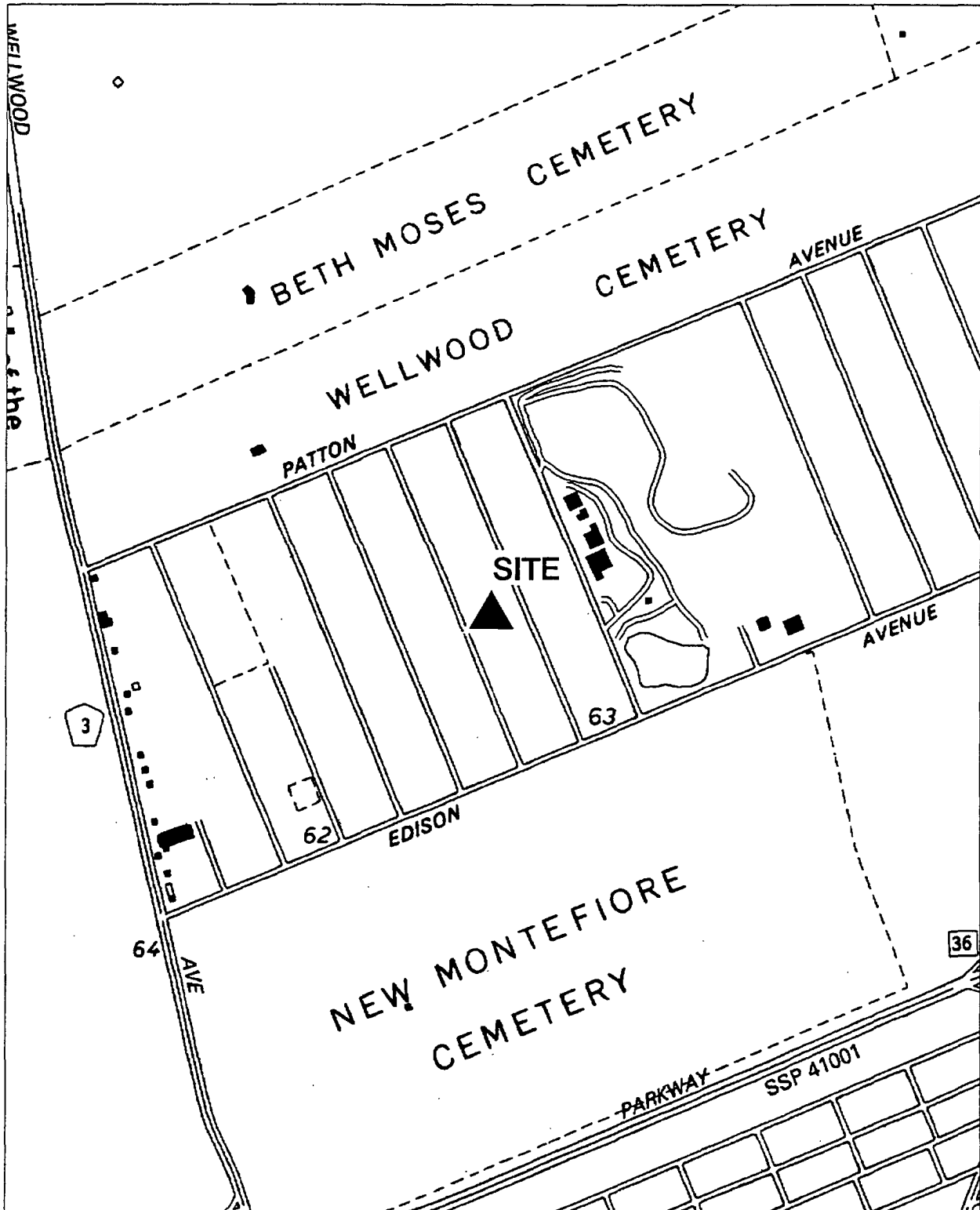
Assessment of Environmental Problems:

The groundwater contains excessive levels of solvents and toxic heavy metals. A groundwater recharge basin is only 50 feet away and a public supply well is one mile south.

Assessment of Health Problems:

A groundwater contaminant plume extends up to 1,600 feet to the south of the site, but may not be completely delineated. Although public drinking water is available to all residents in the area, private drinking water supply wells downgradient of the site may still exist. The nearest public supply wells located in the potential path of the plume are approximately one mile from the site. These public supply wells are not contaminated. A private well survey is planned for the nearby 100 Oser Ave. site, which will identify any existing private well supplies downgradient of the site that could be affected by site-related contamination.

SYL00115380



Site Location Map

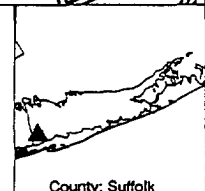
152027 US Electroplating Corporation

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



SYL00115390

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: US Electroplating Corporation	Site Code: 152027
Class Code: 2 Region: 1 County: Suffolk	EPA Id: NYD068014711
Address: 100 Field Street / West Babylon, NY 11704	
Latitude: 40° 43' 59" Longitude: 73° 23' 19"	
Site Type: Structure	Estimated Size: 0.1 Acres

Site Owner / Operator Information:

Current Owner(s) Name: US Electroplating Corporation
Current Owner(s) Address: 3331 Seawane Drive / Merrick, NY 11566
Owner(s) during disposal: Robert Birnbaum
Operator(s) during disposal: Robert Birnbaum
Stated Operator(s) Address: 100 Field Street / West Babylon, NY 11704
Hazardous Waste Disposal Period: From: 1971 To: 1981

Site Description:

U.S. Electroplating Corp. is an active electroplating and anodizing facility. Three buried holding tanks, installed as leaching basins, east of the existing building, discharged wastes high in heavy metals into the ground. These tanks were subsequently abandoned and filled with soil in 1981. Wastes were discharged into existing storm drains north of the building. A Phase I Investigation was completed in 1984 and a Phase II Investigation was completed in 1990. An Interim Remedial Measure (IRM) was completed after a January 1993 fire that caused a discharge of contaminated fire runoff water to the storm drain. Contaminated sediments were removed from this storm drain. As of April 1994, the U.S. Electroplating Corp. has hired the consultant, CA Rich to complete the investigation of the site. A pre-Remedial Investigation/Feasibility Study (RI/FS) sampling plan was submitted to NYSDEC in February of 1994. A Consent Order and workplan were negotiated and signed in June of 1995. The first Phase of the RI began in October 1995 and results showed concentrations of heavy metals, exceeding standards, both in the groundwater and in sediments in the storm drains. Another Interim Remedial Measure (IRM) was completed. The IRM included removal of contaminated soil/sediment from the storm drains and cleaning of the interiors of the storm drains. The second phase of the RI was completed in the fall of 2000. A final RI report was submitted in May, 2001. A public meeting for the PRAP was held on October 24, 2001. The PRAP recommended no further action with continued groundwater monitoring and a no further action ROD was approved on December 11, 2001.

Confirmed Hazardous Waste Disposal:

Heavy Metals (copper, iron, lead, nickel,
cadmium, chromium)

Quantity:

13,000 gallons

Analytical Data Available for:	Groundwater	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater	Drinking Water	
Geotechnical Information:		Depth to	
Soil/Rock Type: Sand-rich loam.		Groundwater: Range: 15 to 25 feet.	
Legal Action: Type: State Consent Order -RI/FS		Status: Order Signed	
Remedial Action: Complete		Nature of action: IRM-Soil & sediment removal from storm drains.	

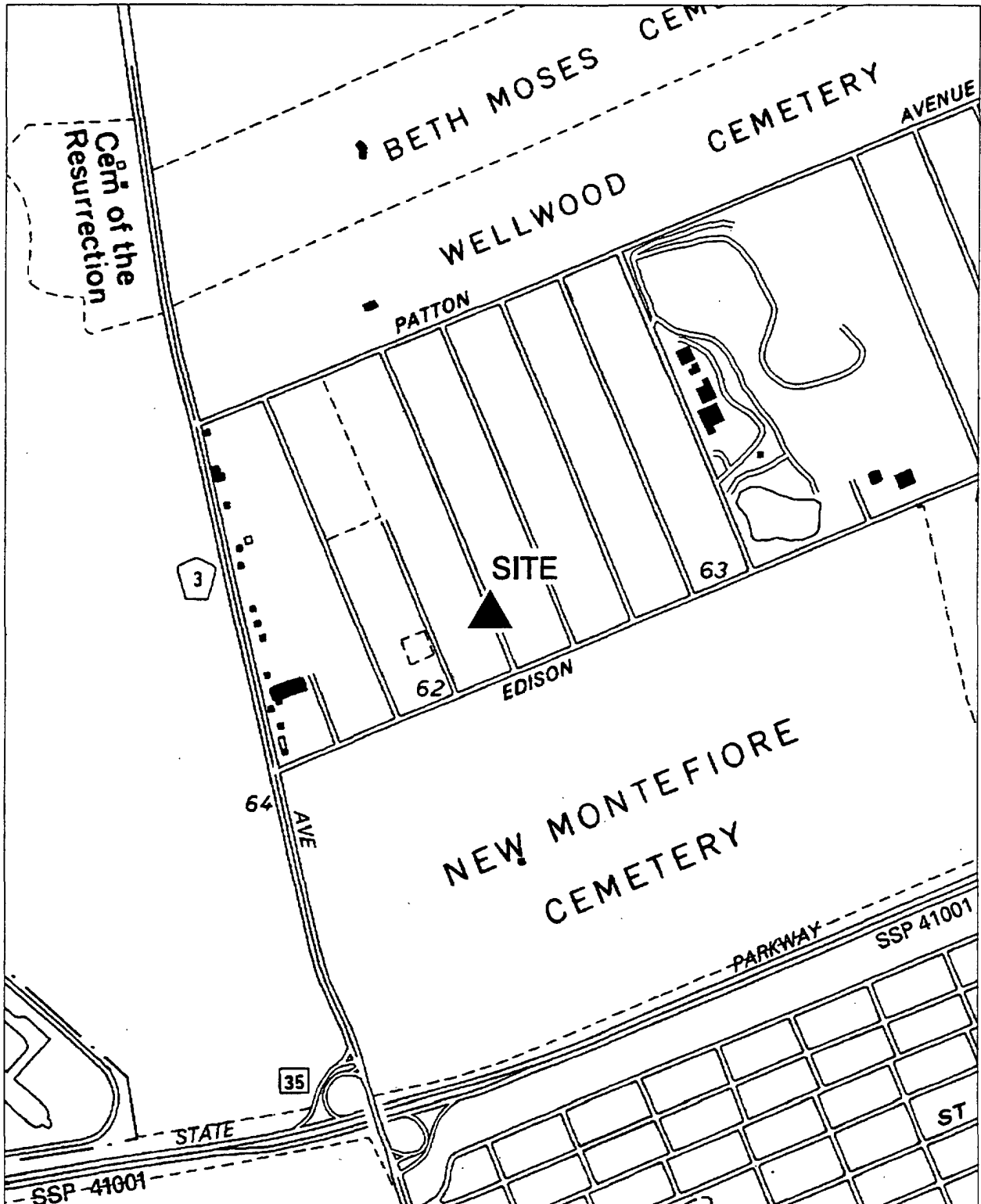
Assessment of Environmental Problems:

Both groundwater and soils in the vicinity of the site are contaminated due to the discharge of wastes high in heavy metal content.

Assessment of Health Problems:

Metals at concentrations above cleanup criteria, including cadmium, copper, lead, nickel, and zinc, were detected in sediment samples taken from leaching pits and storm drains located on-site. The pits and drains were remediated; however, some residual contaminants remain. Exposure to contaminated materials at the site is not expected since these are subsurface and covered. Groundwater downgradient from the site is contaminated with metals and organic solvents at levels above groundwater quality standards. However, since public water is available to homes and businesses in the vicinity of the site, and there are no wells in the vicinity, exposure to site related contaminants in drinking water is not expected.

SYL00115391



Site Location Map

152029 Spectrum Finishing Corporation

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115392

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Spectrum Finishing Corporation			Site Code: 152029
Class Code: 2	Region: 1	County: Suffolk	EPA Id: NYD044466910
Address: 50 Dale Street / West Babylon, NY 11704			
Latitude: 40° 43' 50"		Longitude: 73° 23' 29"	
Site Type: Structure		Estimated Size: 0.67 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **Spectrum Finishing Corporation**
 Current Owner(s) Address: **50 Dale Street / West Babylon, NY 11704**
 Owner(s) during disposal: **Spectrum Finishing Corporation**
 Operator(s) during disposal: **Spectrum Finishing Corporation**
 Stated Operator(s) Address: **50 Dale Street / West Babylon, NY 11704**
 Hazardous Waste Disposal Period: **From: 1968 To: 1997**

Site Description:

The Spectrum Finishing Corp. operated at this location from at least 1968 to 1994. From 1970 to 1975, site inspections and sampling by the SCDHS revealed discharges of hazardous wastes into storm drains, and leaks from holding tanks. High levels of heavy metals were noted from samples taken from the leaching tank, the storm drains and site run-off. Spectrum Finishing was an active electroplating facility engaged in the application of plating high strength alloys for the aerospace industry. An adjacent property also owned by Spectrum (the former NTU Circuits site) has been delisted based on NTU's clean-up of contaminated dry wells in December of 1983. The area north of Spectrum, between the former NTU building and Spectrum's facility, has been consolidated with the Spectrum site due to the discovery of contamination downgradient of the drywells, which is similar to contamination at Spectrum. The facility is no longer operating due to Chapter 7 bankruptcy hearings. In November of 1997 USEPA started a Time Critical Removal Action to address drums, vats, sumps, etc., containing wastes left on site. Activities done at the site included identification, sampling and disposal of approximately 200 drums, 18 vats of electroplating wastes and 10,200 gallons of bulk waste stored in aboveground storage tanks. The EPA RA was completed in April of 1998. Following the removal action, EPA conducted surface soil and groundwater sampling at the site. Based on the results of the EPA sampling, a RI/FS was deemed necessary. A work assignment for the RI/FS was issued under the State Superfund in December 1998. Analytical results from the Phase 1 RI indicate that several on-site drywells are contaminated with VOCs and metals. An Interim Remedial Measure (IRM) was performed in 2000 to remove contaminated sediments from the eleven drywells. Additional monitoring wells were installed and groundwater and soil samples were collected during 2000 and 2001. The results confirmed that the site groundwater is contaminated with VOCs (PCE) and metals (cadmium, chromium, copper and nickel) and the soil is contaminated with metals.

Confirmed Hazardous Waste Disposal:

Cadmium, chromium, copper, nickel, zinc,

Toluene

Methyl-ethyl-ketone (MEK: a.k.a. 2-Butanone)

Quantity:

11,000 gallons total

Analytical Data Available for:	Groundwater	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater		
Geotechnical Information:	Depth to		
Soil/Rock Type: Sand.	Groundwater: Range: 15 to 20 feet.		
Legal Action: Type:	Status:		
Remedial Action: Complete	Nature of action: IRM-Drywell sediment removal.		

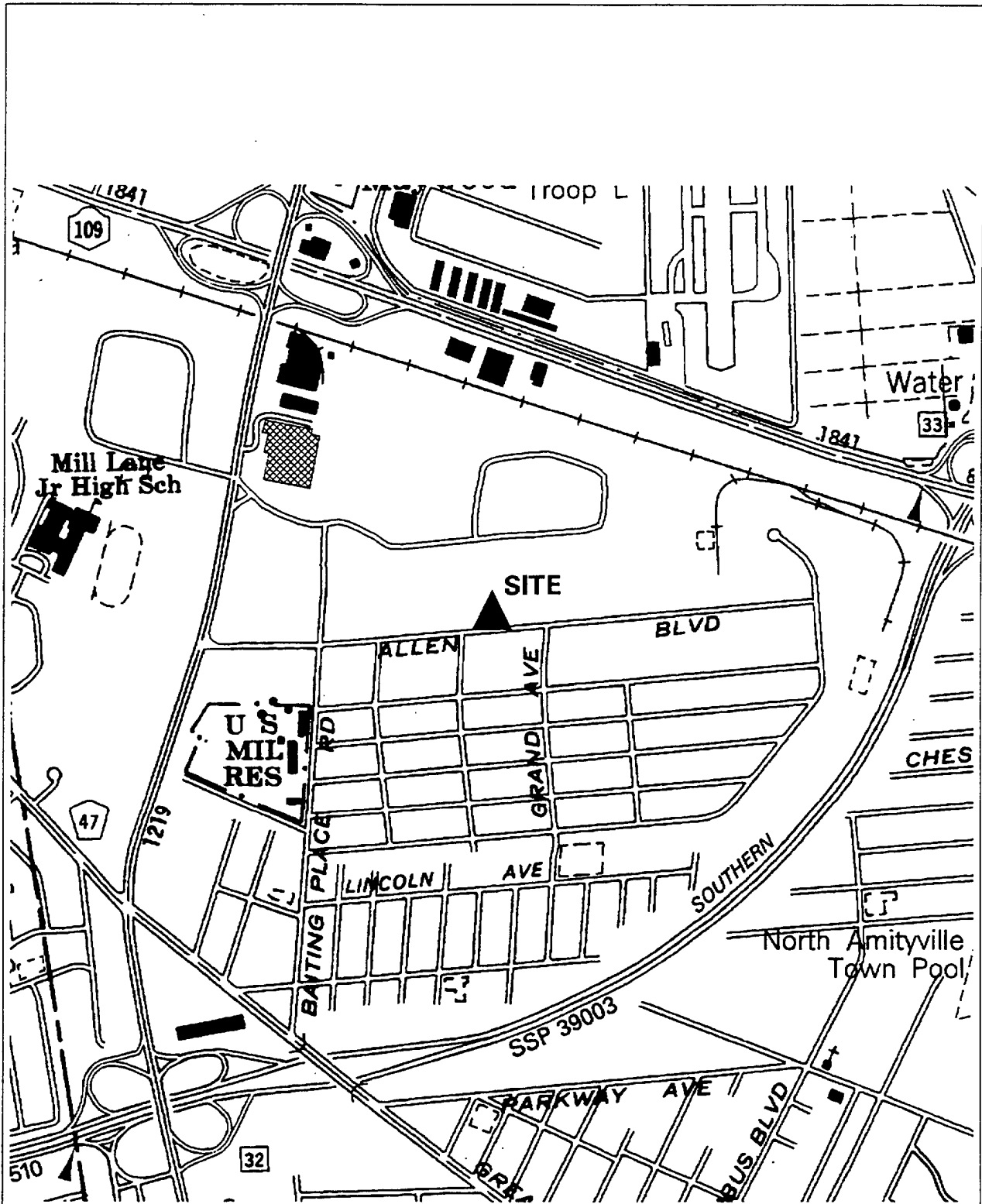
Assessment of Environmental Problems:

Groundwater and soil have been contaminated at this site. Remediation of this site will be necessary.

Assessment of Health Problems:

On-site groundwater is contaminated with chromium, 1,1,1-trichloroethane, and trichloroethene above NYS drinking water standards. Off-site monitoring wells also contain 1,1,1-trichloroethane and trichloroethene. Public water was provided to area homes with private wells due to contamination associated with the Babylon Landfill. The Suffolk County Water Authority (SCWA) Tenety Ave wellfield is located 2500 yards downgradient from the site. No site-related contaminants have been detected in this wellfield.

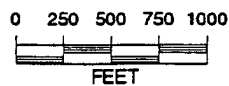
SYL00115393



Site Location Map

152030 Preferred Plating

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Suffolk

SYL00115394

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Preferred Plating	Site Code: 152030
Class Code: 4 Region: 1 County: Suffolk	EPA Id: NYD980768774
Address: 32 Allen Boulevard / Farmingdale, NY 11735	
Latitude: 40° 42' 58" Longitude: 73° 25' 11"	Site is on the EPA - National Priorities List.
Site Type: Structure	Estimated Size: 0.78 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Joe Gazza/George Paro
Current Owner(s) Address: 388 Board Hollow Road / Farmingdale, NY 11735
Owner(s) during disposal: Joe Gazza/George Paro
Operator(s) during disposal: Preferred Plating
Stated Operator(s) Address: 32 Allen Boulevard / Farmingdale, NY 11735
Hazardous Waste Disposal Period: From: 1951 To: 1976

Site Description:

Preferred Plating Corporation was operated at the Allen Boulevard site from 1951 to 1976 when the firm filed for bankruptcy. The company treated metal parts in order to increase corrosion resistance and provide a cohesive base for painting to improve appearance. Since 1953, various discharges of waste materials through surface impoundments and leaching pits to the groundwater have been documented. There is also evidence that plating wastes were dumped directly on the ground. Five major contaminants were identified by the Suffolk County Dept. of Health in January of 1975. These contaminants were copper @ 3.3 ppm, chromium @ 50 ppm, cadmium @ 0.03 ppm, hexavalent chromium and cyanide. All of these metals were also detected in the facility discharges. The company did not comply with the terms of a 1975 SPDES permit. An on-site well, approximately 80 feet deep, became contaminated by wastes generated at the site and disposed via leaching beds. The samples taken on-site have revealed that subsurface soils and groundwater have been contaminated above acceptable county, state, and federal standards. A Remedial Investigation/Feasibility Study (RI/FS) with Federal Superfund funding, addressing groundwater contamination, has been completed. A continued investigation for on-site soil contamination under USEPA's operable unit No. 2 has been completed. Remedial Design for groundwater treatment has been completed and Remedial Action has been initiated. Remedial Action for on-site soil contamination, which required excavation and off-site disposal, was completed in June of 1994. The USEPA amended the Record of Decision (ROD) in September 1997. The no-action alternative will be selected for the groundwater.

Confirmed Hazardous Waste Disposal:

Plating wastes
(DOO6) (DOO8) (FOO8)

Quantity:

unknown

Analytical Data Available for:

Applicable Standards Exceeded in:

Geotechnical Information:

Soil/Rock Type: Sand.

Depth to

Groundwater: Range: 25 to 30 feet.

Legal Action: Type: Federal Consent Order

Status: Order Signed

Remedial Action: Complete

Nature of action: Soil removal.

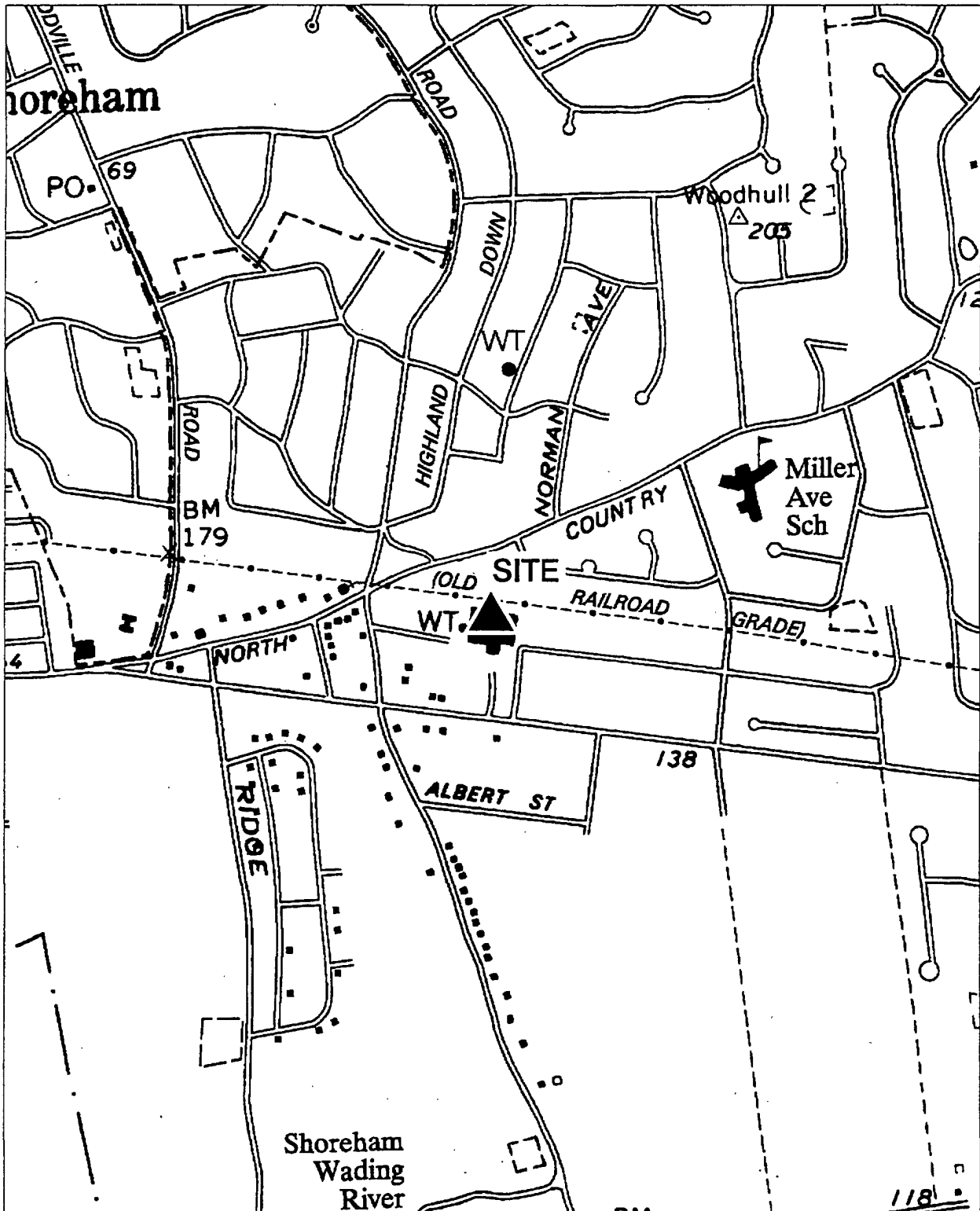
Assessment of Environmental Problems:

Groundwater contamination from hazardous waste disposal has been confirmed at levels above NYS standards. With the removal of the contamination source, the groundwater is expected to attenuate naturally.

Assessment of Health Problems:

Groundwater downgradient of the site contains elevated levels of heavy metals and volatile organic compounds. Contaminated soil beneath the building contributed to the contamination of the groundwater. Four industrial wells near the site contained levels of cadmium and chromium in excess of NYS drinking water standards; these wells are not used for drinking water. Four public supply wellfields are located about one mile downgradient of the site. None of the public wells have shown elevated levels of metals or organics during periodic monitoring.

SYL00115395



Site Location Map

152031 Peerless Photo Products

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115396

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Peerless Photo Products	Site Code: 152031
Class Code: 2 Region: 1 County: Suffolk	EPA Id: NYD002044139
Address: Route 25A / Shoreham, NY 11786	
Latitude: 40° 56' 55" Longitude: 72° 53' 53"	
Site Type: Lagoon	Estimated Size: 16.2 Acres

Site Owner / Operator Information:

Current Owner(s) Name: AGFA Corporation
Current Owner(s) Address: 100 Challenger Road / Ridgefield Park, NJ 07660
Owner(s) during disposal: AGFA Corporation
Operator(s) during disposal: AGFA Corporation
Stated Operator(s) Address: 100 Challenger Road / Ridgefield Park, NJ 07660
Hazardous Waste Disposal Period: From: 1939 To: unknown

Site Description:

Peerless Photo Products, Inc., which owns this 16.2 acre property located at the intersection of Randall Road and Route 25A, has been operating at this site since 1939. Primary operations at this facility include production and coating of photographic emulsions. From 1949 until 1969, Peerless disposed of untreated process water into an 800 feet long by 25 feet wide recharge basin along the north side of the property. In 1979, a wastewater treatment plant was installed and a SPDES permit was obtained for the recharge basin. This effluent contained silver, cadmium, copper, iron, barium, sulfate, lead, phenols, nitrates, and dissolved liquids. Cadmium, however, was found in downgradient monitoring wells above the groundwater guidance of 0.01 ppm. The detected concentrations were 0.17 ppm and 0.15 ppm for wells MW-2 and MW-3. An IRM to remove contaminated soil/sediment was completed in 1997.

The Phase II Remedial Investigation (RI) report has been approved. A limited investigation of the Tesla Tower base has been completed. Another groundwater sampling round is underway.

Confirmed Hazardous Waste Disposal:

Chromium

Cadmium

Quantity:

unknown

unknown

Analytical Data Available for: Groundwater Soil	
Applicable Standards Exceeded in: Groundwater	
Geotechnical Information:	Depth to
Soil/Rock Type: Sand.	Groundwater: Range: 110 to 120 feet.
Legal Action: Type: State Consent Order -RI/FS	Status: Order Signed
Remedial Action: Complete	Nature of action: IRM-Soil and sediment removal.

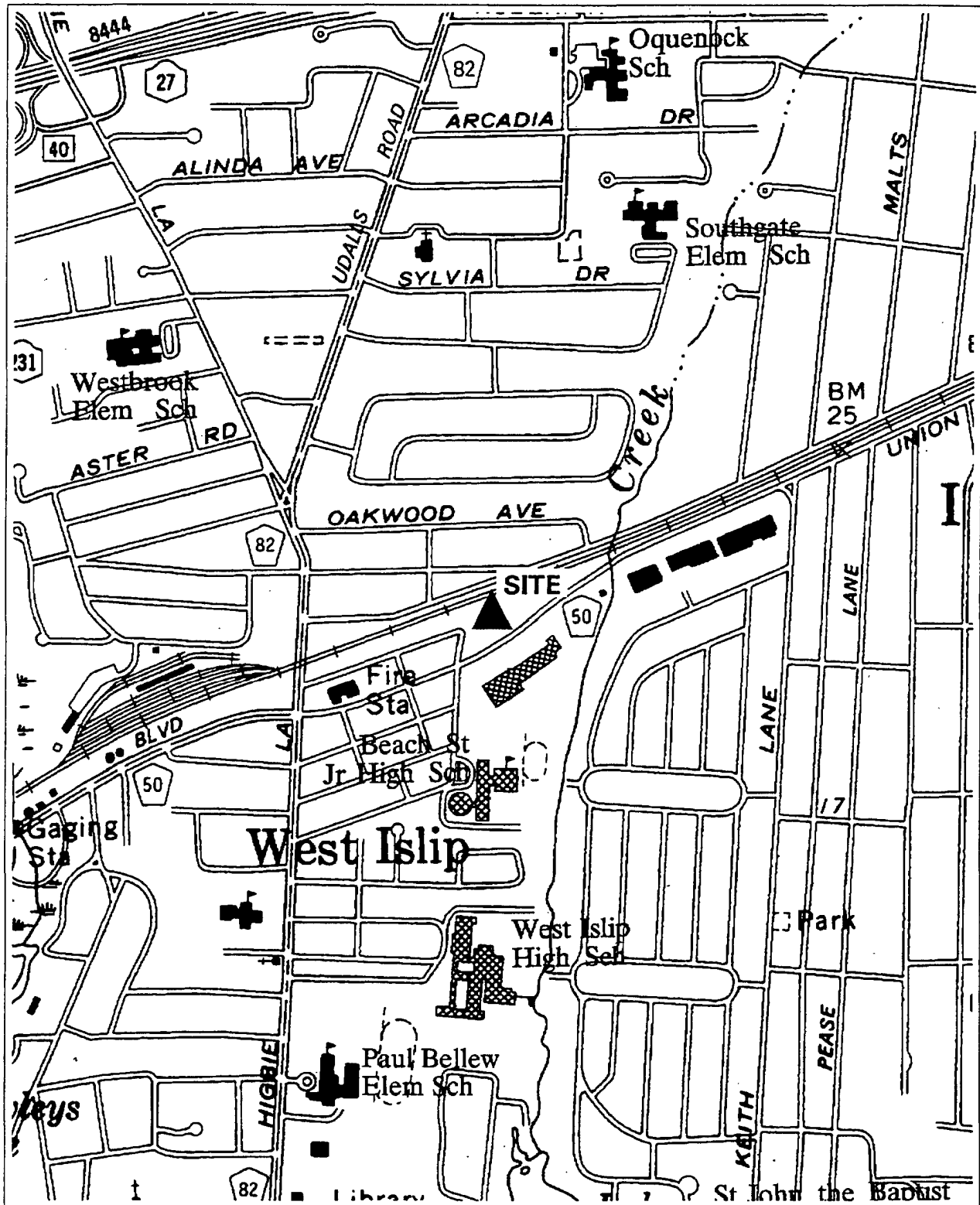
Assessment of Environmental Problems:

Hazardous waste disposal has contaminated a sole source aquifer above NYS standards and guidelines.

Assessment of Health Problems:

Soils in small areas on-site are contaminated with metals and organics. Twenty-four hour surveillance and complete fencing prevent access to the site. The property and on-site structures are presently vacant. Elevated concentrations of silver were found in soils along the fence line separating the residences on James Street from the LILCO right-of-way. Residential soils were found to contain traces of silver, but well below health based guidelines. Groundwater is the primary source of drinking water in the area. On-site monitoring wells contain cadmium at concentrations about 25 times greater than the drinking water standard. Deeper on-site industrial supply wells show no contamination. Public water supply wells that are about 600 feet to the northwest of Peerless Photo are not contaminated, however, these are no longer used.

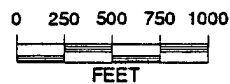
SYL00115397



Site Location Map

152033 Dzus Fastener Company, Inc.

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Suffolk

SYL00115398

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Dzus Fastener Company, Inc.	Site Code: 152033
Class Code: 2 Region: 1 County: Suffolk	EPA Id: NYD002043701
Address: 425 Union Boulevard / West Islip, NY 11795	
Latitude: 40° 42' 30" Longitude: 73° 18' 6"	
Site Type: Structure	Estimated Size: 1 Acres

Site Owner / Operator Information:

Current Owner(s) Name: **Dzus Fastener Company, Inc.**
Current Owner(s) Address: **425 Union Boulevard / West Islip, NY 11795**
Owner(s) during disposal: **Dzus Fastener Company, Inc.**
Operator(s) during disposal: **Dzus Fastener Company, Inc.**
Stated Operator(s) Address: **425 Union Boulevard / West Islip, NY 11795**
Hazardous Waste Disposal Period: **From: 1932 To: mid 1980s**

Site Description:

Dzus Fastener has produced fasteners and springs since 1932. Wastes from metal plating, tumbling, electroplating, chromic acid, anodizing, and special finishing operations consisted of oils, heavy metals and salts. Leaching pools on-site were used for the disposal of hazardous wastes. A Phase I Investigation was completed and a Phase II Investigation was submitted by Dzus in August of 1990. An Interim Remedial Measure (IRM) was completed by Dzus in October 1990, during which some of the contaminated soils were removed. Soils and groundwater are contaminated with cadmium, chromium, cyanide, and organic compounds. A State Superfund Remedial Investigation/Feasibility Study (RI/FS) was begun in 1992. The State has divided this project into two operable units: Operable Unit 1, On-site soils: The RI/FS for this operable unit has been completed. A Record of Decision (ROD) was issued in March of 1995. Approximately 8100 cubic yards of contaminated soils were remediated by in-situ stabilization/solidification, which was completed in December 1996. Operable Unit 2, off-site: Contaminated sediments in Willets Creek and Lake Capri are covered under this operable unit. Groundwater contamination (cadmium) has migrated 600-700 feet south of the site. Approximately 21,000 cubic yards of sediments in Lake Capri were contaminated with cadmium. A fish consumption advisory has been issued by the New York State Department of Health because fish in the Lake contain elevated levels of cadmium. A ROD for Operable Unit 2 was signed in October 1997. Dredging Lake Capri and a portion of Willets Creek was conducted between June and December 1999. Nineteen thousand cubic yards of sediment were removed from Lake Capri. The site has entered long term monitoring, which includes periodic sampling of groundwater, surface water and sediment.

Confirmed Hazardous Waste Disposal:

Plating, anodizing wastes, heavy metals, oils
Cadmium waste
Chromium waste
Cyanide

Quantity:

unknown
unknown
unknown
unknown

Analytical Data Available for:	Groundwater	Surface Water	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater	Drinking Water		
Geotechnical Information:				
Soil/Rock Type: Glacial outwash.				Depth to Groundwater: Range: 10 to 15 feet.

Legal Action: Type:	Status:
Remedial Action: Complete	Nature of action: Dredging Lake Capri and part of Willets Creek.

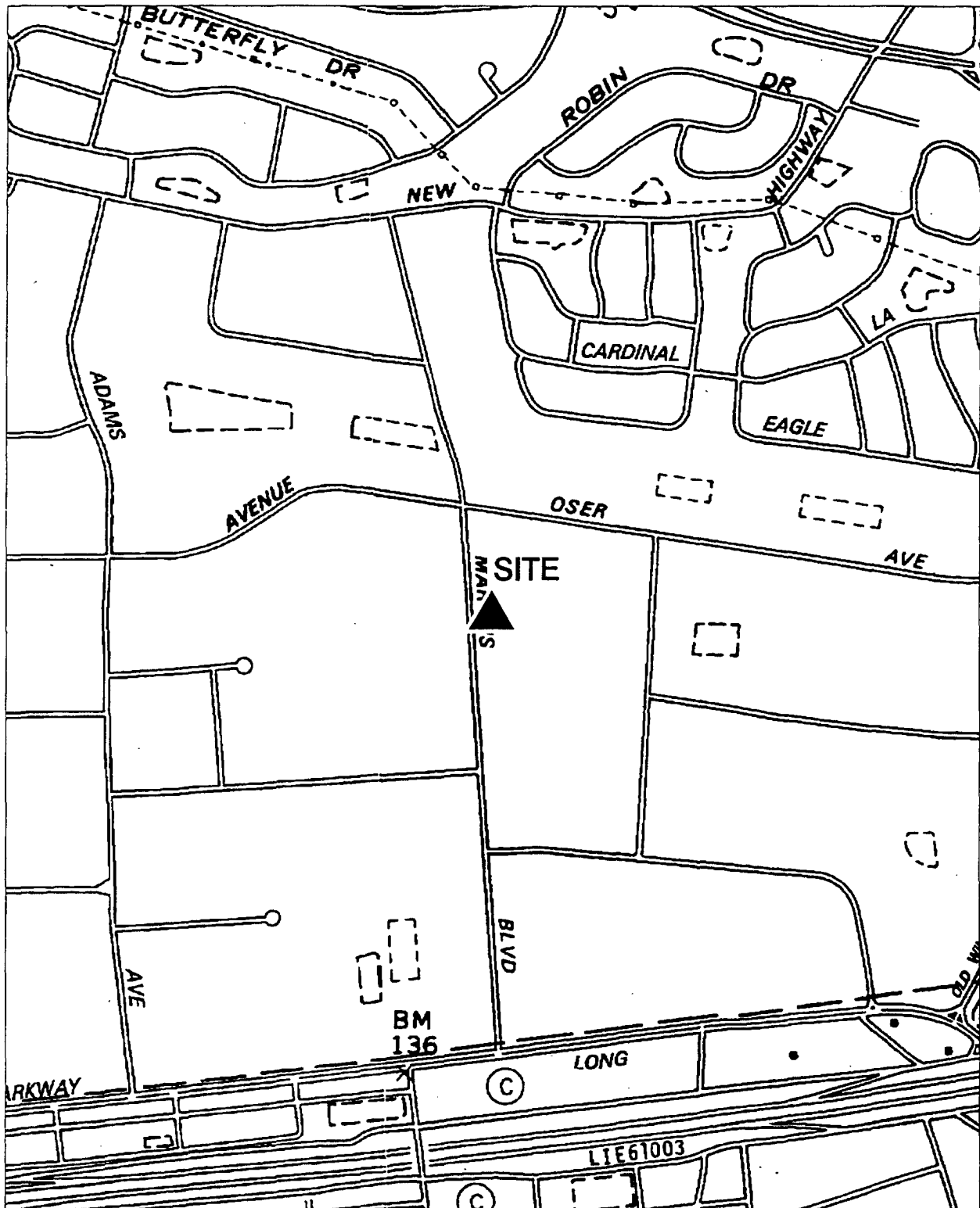
Assessment of Environmental Problems:

Metals and VOCs have been found in monitoring wells at levels exceeding the NYS Standards and Guidelines in a sole source drinking water aquifer.

Assessment of Health Problems:

Dzus' past disposal practices contaminated groundwater and soils on-site. The risk of exposure to contaminated soils has been abated following the completion of an on-site soil remediation program. Residents in the area are on a public water supply; therefore, exposure to contamination in the groundwater is not likely. There are no public drinking water supply wells near the site. In 1999, contaminated sediments were dredged and removed from Lake Capri and Willets Creek. As a result, the risk of exposure to site-related contaminants from recreational use of Lake Capri and Willets Creek has been abated.

SYL00115399



Site Location Map

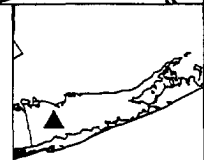
152034 Computer Circuits

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115400

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Computer Circuits		Site Code: 152034
Class Code: 2	Region: 1	County: Suffolk
EPA Id: NYD125499673		
Address: 145 Marcus Boulevard / Hauppauge, NY 11749		
Latitude: 40° 48' 55"	Longitude: 73° 14' 48"	Site is on the EPA - National Priorities List.
Site Type: Structure	Estimated Size: 1.7 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: *** Multiple Site Owners ***
Current Owner(s) Address:
Owner(s) during disposal: Phillip Altebrando
Operator(s) during disposal: Computer Circuits
Stated Operator(s) Address: 145 Marcus Boulevard / Hauppauge, NY 11749
Hazardous Waste Disposal Period: From: 1969 To: 1977

Site Description:

The manufacturing process of circuit boards at the site included discharging approximately two million gallons of wastewater to underground leaching pools. The water often contained concentrations of heavy metals that exceeded the limits established by the company's SPDES permit. Various remedial actions, requested by the Suffolk County Dept. of Health Services (SCDHS), and Consent Orders developed by the NYSDEC, were unsuccessful in bringing Computer Circuits Corp. into compliance. The company ceased operations in 1977, in response to an injunction filed by the NYSDEC. During the time it was in operation, the plant's discharge of wastewater into leaching pools resulted in the contamination of groundwater. There was no clean-up of the groundwater following the company's closure. Samples of wastewater taken from the leaching pools have been analyzed and the following contaminants were revealed; copper at 535 ppm, lead at 15 ppm, nickel at 5.7 ppm, silver at 0.6 ppm, zinc at 0.8 ppm and iron at 3.2 ppm. All of these contaminant levels exceed the NYS Groundwater Standards. In addition, tetrachloroethylene; 1,1,2-trichloroethylene; and dichloroethylene were also found in the leaching pool at levels exceeding the NYS groundwater standards. The site was referred for a State Superfund investigation in November, 1995. USEPA has conducted an investigation at the site for HRS scoring. The results from this investigation determined that the site would be placed on the National Priorities List (NPL). The site was nominated by DEC for inclusion on the NPL and has been accepted by EPA. A draft Remedial Investigation/Feasibility Study (RI/FS) work plan was received in January 2000 and a finalized RI work plan was received in January 2001. RI field work began in the fall of 2001.

Confirmed Hazardous Waste Disposal:

Circuit board manufacturing process waste
Plating waste
Heavy metals and solvents; copper, lead

Quantity:

180 million gallons

Analytical Data Available for:	Groundwater	Sediment
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Sand and gravel.		Groundwater: Range: 100 to 105 feet.
Legal Action: Type:		Status:
Remedial Action:	Nature of action:	

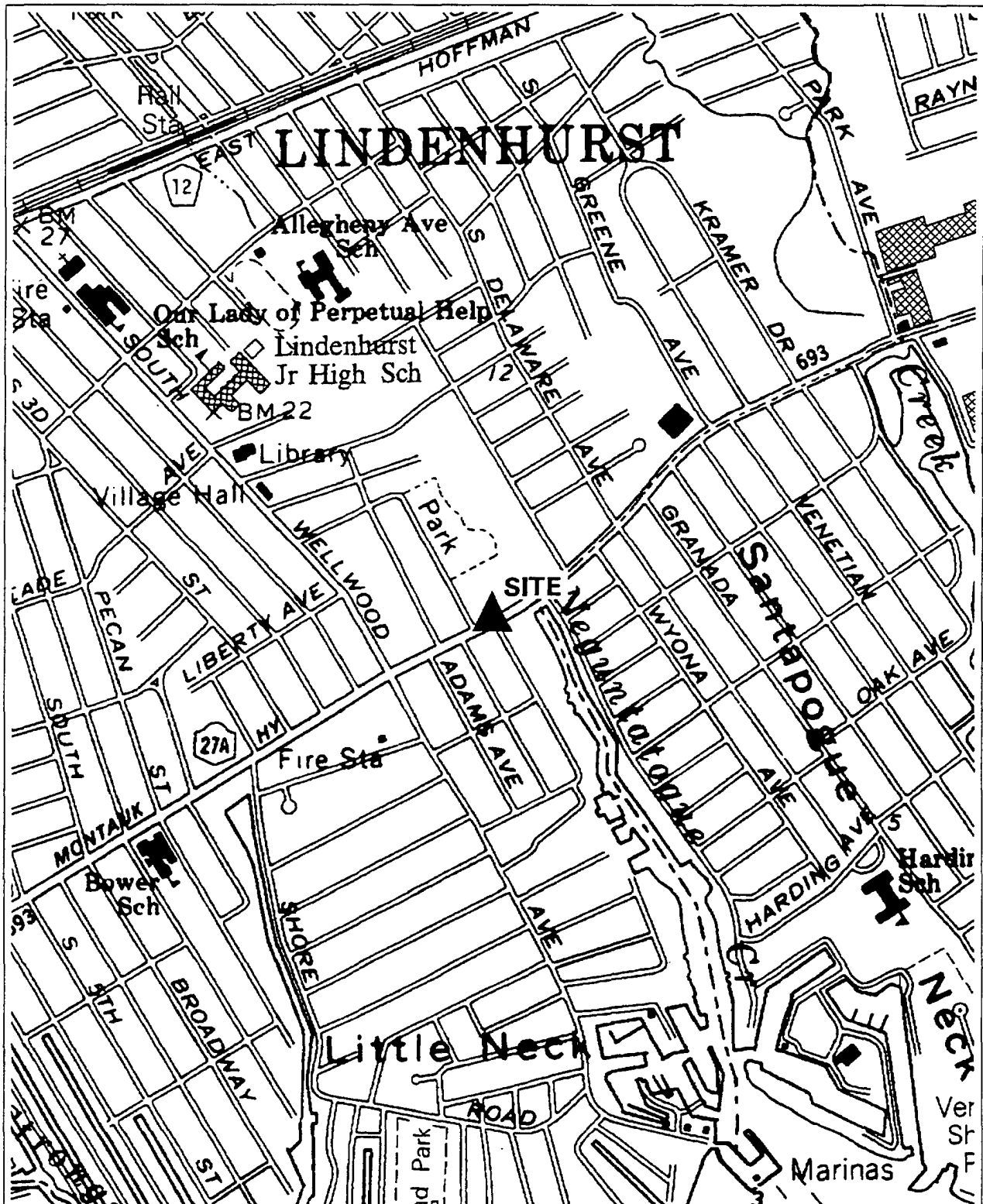
Assessment of Environmental Problems:

Groundwater contamination from wastewater discharged to leaching pools. The wastewater often contained excessive concentrations of heavy metals. Groundwater at the site has been found to contain up to 3000 ppb of TCE. Other chlorinated solvents have also been found in the groundwater at lower concentrations. Recent GW results show decreasing concentrations. Additional groundwater data will be obtained during the Remedial Investigation.

Assessment of Health Problems:

Groundwater is the primary source of drinking water in the area. Public drinking water supply wells are 300 feet to the northeast of the site. These wells are contaminated with volatile organic compounds above New York State standards for public drinking water supplies and are being treated to remove contamination. The source of contamination is not known. Environmental data for the site is limited. A remedial investigation is underway, which will provide data needed to fully evaluate the potential for human exposures at the site. Indoor air sampling is planned as part of the investigation. There are currently no tenants in the on-site building.

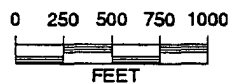
SYL00115401



Site Location Map

152035 Cardwell Condenser Corporation

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Suffolk

SYL00115402

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Cardwell Condenser Corporation			Site Code: 152035
Class Code: 2	Region: 1	County: Suffolk	EPA Id: NYD002049690
Address: 80 East Montauk Highway / Lindenhurst, NY 11757			
Latitude: 40° 40' 46"		Longitude: 73° 21' 42"	
Site Type: Lagoon		Estimated Size: 1.2 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Tyree Realty Company
 Current Owner(s) Address: 208 Route 109 / Farmingdale, NY 11735
 Owner(s) during disposal: Norman Kjeldsen (Normilt Realty)
 Operator(s) during disposal: Norman Kjeldsen (Normilt Realty)
 Stated Operator(s) Address: 80 East Montauk Highway / Lindenhurst, NY 11757
 Hazardous Waste Disposal Period: From: 1957 To: 1987

Site Description:

Cardwell Condenser has manufactured electronic components at this location in an industrial/residential area since 1957. Neguntatogue Creek is approximately 250 feet east of the site and there is an on-site well. The manufacturing process includes chrome-plating operations for treatment of brass and/or aluminum components. Records for the site list copper cyanide, silver cyanide, cadmium cyanide, nickel sulfate, chromic acid, and cadmium and aluminum iridite as plating solutions that have been used in on-site operations. In addition, organic solvents such as tetrachloroethylene and trichloroethylene are used for parts cleaning prior to plating. Until 1987, process wastewaters from plating operations were discharged to shallow leachpools located north of the main building. During this period, Cardwell periodically violated its SPDES permit limits for plating wastes such as lead, silver, cadmium, and chromium. The permit did not cover any non-plating wastes such as trichloroethylene and tetrachloroethylene. Potable water samples collected in 1987 from an on-site supply well showed contamination with lead, silver and cadmium. A Phase II Investigation completed in June 1993 indicated a groundwater plume of contamination by volatile organic compounds (VOCs) approximately 800 feet long containing various chlorinated solvents, all exceeding NYS Class GA groundwater standards. The site was referred for State Superfund on March 14, 1997 and a work assignment was issued by the Division of Environmental Remediation on March 20, 1997. The subsequent Remedial Investigation confirmed the presence of tetrachloroethylene and related solvents in leaching pools and on and off-site groundwater. An IRM clean out of four leaching pools has been completed. A Focused Feasibility Study (FFS) was completed and a no further action ROD was issued in early 2002.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene {(PCE or "perc.") (F001)}
 Trichloroethylene {(TCE) (F001)}

Quantity:

unknown
 unknown

Analytical Data Available for:	Groundwater	Surface Water	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater			
Geotechnical Information:	Depth to			
Soil/Rock Type: Sand and gravel.	Groundwater:			
Legal Action: Type: State Consent Order	Status: Order Signed			
Remedial Action: Complete	Nature of action: IRM-Excavation of leaching pools.			

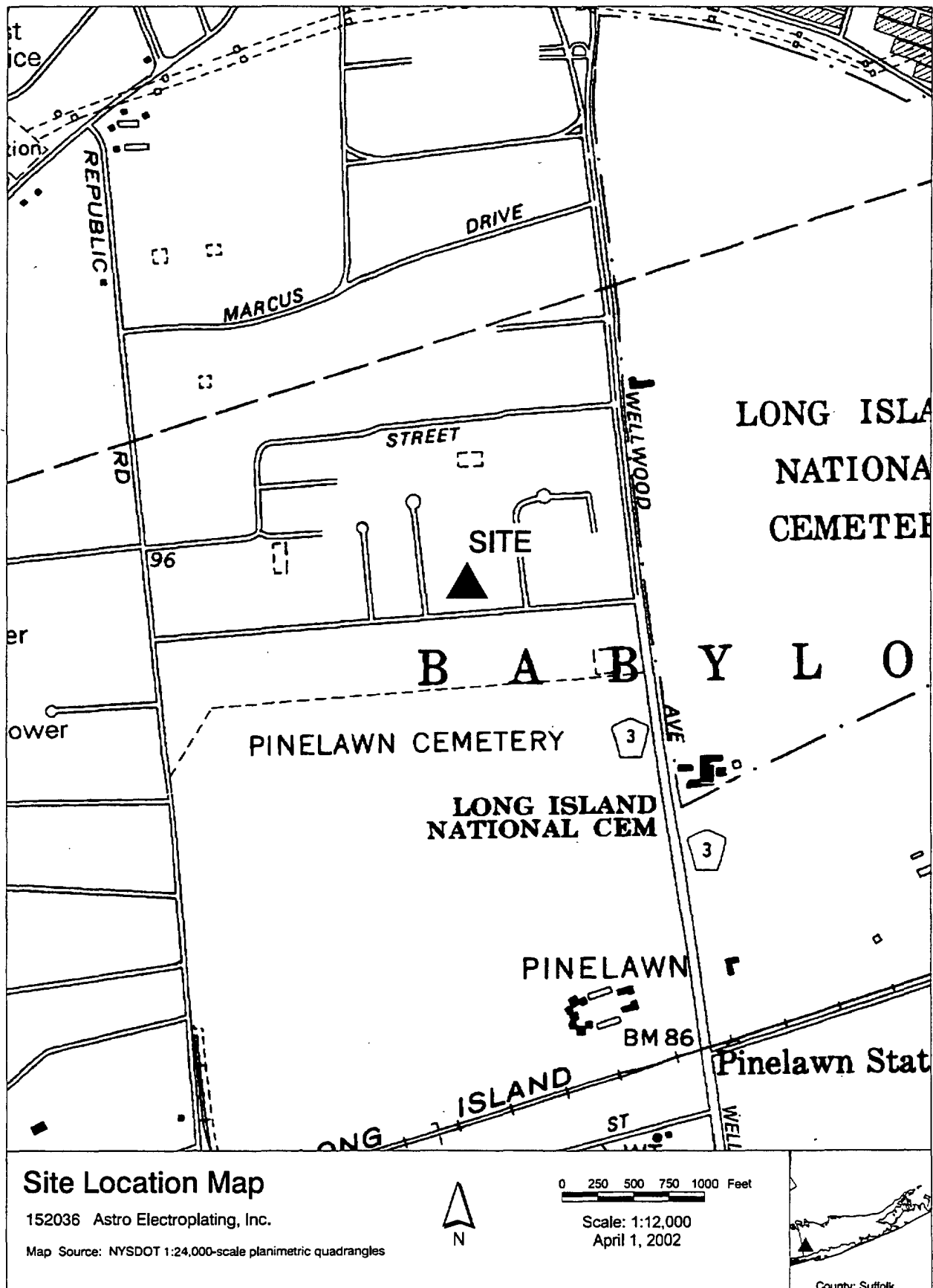
Assessment of Environmental Problems:

Disposal of chlorinated solvents to leachpools has caused a contaminated groundwater plume to form east of the main building. Several private water supplies in the area, including the one onsite, could become contaminated in the future.

Assessment of Health Problems:

No public water supply wells are downgradient of the site. All residences in the vicinity of the site are connected to the public water supply. In 1993 it was discovered that an on-site well was still being used for potable water. Suffolk County Health Department sampled this well and found levels of volatile organic chemicals above drinking water standards. Cardwell took the well off-line in 1993 and connected to the public water supply for potable water in 1994.

SYL00115403



SYL00115404

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Astro Electroplating, Inc.		Site Code: 152036	
Class Code: 2	Region: 1	County: Suffolk	EPA Id:
Address: 170 Central Avenue / Farmingdale, NY 11735			
Latitude: 40° 45' 15"		Longitude: 73° 24' 23"	
Site Type: Structure		Estimated Size: 0.5 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Annette G. Nowak Marital Trust c/o Finch Realty
Current Owner(s) Address: 55 Central Avenue / Farmingdale, NY 11735
Owner(s) during disposal: Annette G. Nowak Marital Trust
Operator(s) during disposal: Astro Electroplating, Inc.
Stated Operator(s) Address: 170 Central Avenue / Farmingdale, NY 11735
Hazardous Waste Disposal Period: From: 1970 To: 1986

Site Description:

Astro Electroplating Inc. (AEI) specializes in plating nickel, chromium and copper to premolded plastic components. Wastewater was discharged to five subsurface leaching pools; only one of these was permitted. Approximately 400,000 gallons of water were discharged per year. Presently, all treated wastewater is discharged to the local sewer system. The data indicates that, at various times, this water contained concentrations of heavy metals that exceeded the limits established by the SPDES permit. Discharged hazardous materials included hexavalent chromium, and solutions with low pH values. The SPDES discharge to groundwater was ceased in 1986. Four illegal cesspools filled with plating sludges were discovered on-site, and were cleaned in 1986 under supervision of the Suffolk County Health Services to visibly clean soil. Samples collected by Astro showed residual contamination that was never addressed due to safety reasons. Soil contamination was limited to shallow subsurface soils within the immediate area of the SPDES pool, and the four illegal pools. Total chromium, zinc and copper were detected at concentrations greater than 190 ppm within the area of past wastewater discharge. Contravention of groundwater quality standards for hexavalent chromium, copper, and trichloroethylene has been confirmed. A responsible party Phase II Investigation has been completed. A Consent Order was executed in November 1997 for the completion of a Remedial Investigation/Feasibility Study (RI/FS).

RI activities were conducted from November to December 1998. An IRM was conducted in 2000 to clean out contaminated sediment from ten dry wells. A second round of monitoring well samples was then collected. One on-site well exhibited high chromium (14,800 ppb), copper (22,500 ppb) and nickel (7,580 ppb) concentrations. The RI/FS was finalized in December 2000. The ROD was signed on March 30, 2001, and a RD/RA Consent Order was executed in November, 2001.

Confirmed Hazardous Waste Disposal:

Plating wastes

Quantity:

400,000 gallons/year

Analytical Data Available for:	Groundwater	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater	Drinking Water	
Geotechnical Information:		Depth to	
Soil/Rock Type: Sand with trace silt.		Groundwater: Range: 30 to 35 feet.	
Legal Action: Type: State CO - RI/FS, RD/RA		Status: Order Signed	
Remedial Action: Complete		Nature of action: IRM-Cesspool excavation. Drywell clean-out.	

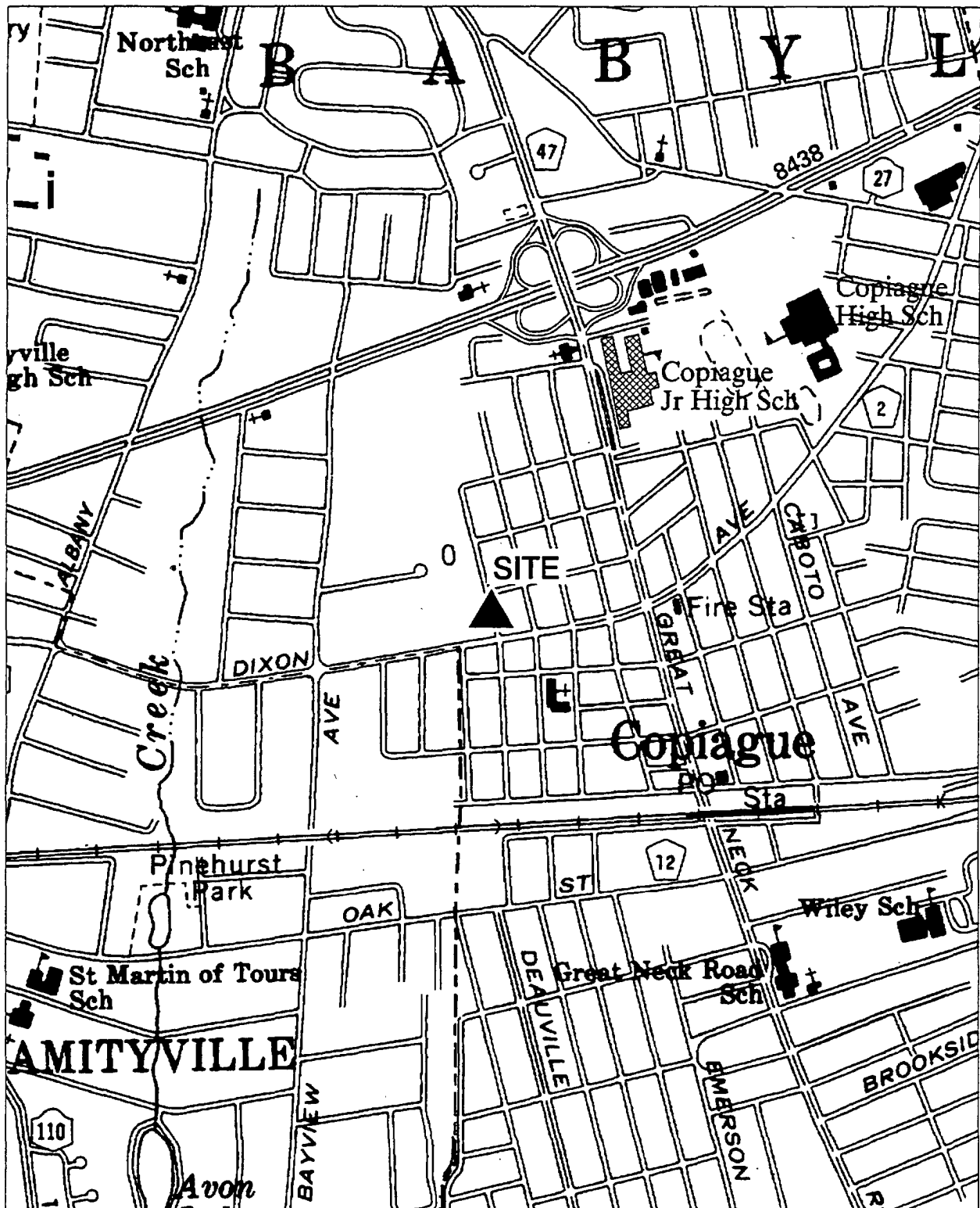
Assessment of Environmental Problems:

Groundwater contamination is due to wastewater discharged to leaching pools. This wastewater contained concentrations of heavy metals that exceeded the limits established by the permit.

Assessment of Health Problems:

The Astro Electroplating facility's past practice of subsurface wastewater disposal has contaminated groundwater and soil with heavy metals. In 1986, contaminated liquids and sludges were removed from the former leaching pools on-site. The remedial investigation indicated soil contamination with heavy metals in the leaching pool area below 15 feet. Exposures are unlikely due to the depth of contamination. Since homes and businesses near the site are connected to public drinking water, exposure to site-related contaminants in groundwater is not expected.

SYL00115405



Site Location Map

152037 Action Anodizing Plating & Polishing

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000

April 1, 2002



County: Suffolk

SYL00115406

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Action Anodizing Plating & Polishing			Site Code: 152037
Class Code: 4	Region: 1	County: Suffolk	EPA Id: NYD072366453
Address: 33 Dixon Avenue / Copiague, NY 11726			
Latitude: 40° 41' 5"		Longitude: 73° 24' 17"	
Site Type: Structure		Estimated Size: 1 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Florence Drayton/Arthur Nemetz
Current Owner(s) Address: 144 South Detcham Avenue / Amityville, NY 11701
Owner(s) during disposal: Florence Drayton/Arthur Nemetz
Operator(s) during disposal: Action Anodizing Plating & Polishing
Stated Operator(s) Address: 33 Dixon Avenue / Copiague, NY 11726
Hazardous Waste Disposal Period: From: unknown To: unknown

Site Description:

Action Anodizing, Plating and Polishing Corp. (AAPP) has continuously operated at this site since 1968. AAPP's anodizing process included cleaning, sealing, and at times, dyeing of aluminum parts and cadmium plating. Prior to 1982, high concentrations of heavy metals including cadmium at 1900 ppm, chromium at 790 ppm, iron at 910 ppm and lead at 43 ppm were discharged to at least six underground pools. Wastewater samples from leaching pools demonstrated concentrations of heavy metals exceeding acceptable limits set as groundwater standards. Data is not available for estimating the amount of wastewater that was discharged. One public wellfield is within one mile of the site. Soil samples from the site contained 680 and 640 ppm of chromium and cadmium, respectively. These concentrations exceed composition of soils guidelines. In 1981 the Suffolk County Department of Health Services (SCDHS) ordered AAPP to clean out and backfill the leaching system. The site was added to the National Priorities List (NPL) and a Remedial Investigation (RI) was performed. The results of the RI indicate that the actions taken in 1981 by the (SCDHS) were sufficient and that no further action is required. A "No Action" ROD which called for a one-year monitoring program was signed on June 19, 1992, and has been completed.

Confirmed Hazardous Waste Disposal:

Plating wastes containing cadmium
Chromium
Lead

Quantity:

unknown
unknown
unknown

Analytical Data Available for:	Groundwater	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater		
Geotechnical Information:		Depth to	
Soil/Rock Type: Sand.		Groundwater: Range: 10 to 15 feet.	

Legal Action: Type:	Status:
Remedial Action: Complete	Nature of action: Leaching system cleaned out and backfilled.

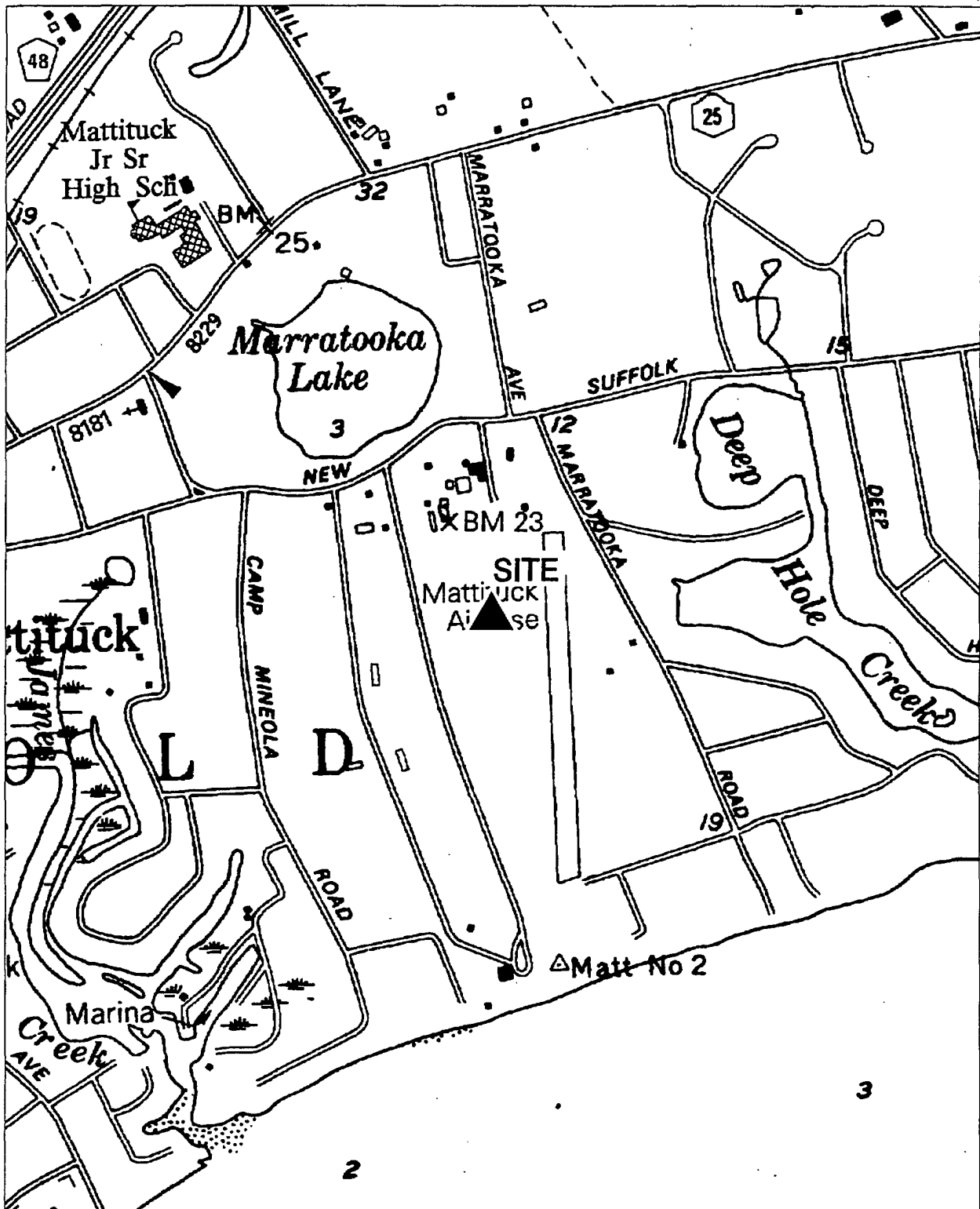
Assessment of Environmental Problems:

The leaching system has been cleaned out and backfilled.

Assessment of Health Problems:

Groundwater contamination at the site is below drinking water standards. Exposure is not likely because the area near the site is supplied with public water. Public water supply wells are approximately 5,000 feet to the southwest and approximately 5,000 feet to the southeast of the site. Groundwater flow is to the south. Routine monitoring of the public water supply wells indicates the water is in compliance with drinking water standards.

SYL00115407



Site Location Map

152038 Mattituck Airbase

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115408

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Mattituck Airbase			Site Code: 152038
Class Code: 4	Region: 1	County: Suffolk	EPA Id: NYD101205631
Address: Airway Drive / Mattituck, NY 11952			
Latitude: 40° 59' 19"		Longitude: 72° 31' 14"	
Site Type: Structure		Estimated Size: 0.5 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: J. Parker Wickham
Current Owner(s) Address: Airway Drive / Mattituck, NY 11952
Owner(s) during disposal: J. Parker Wickham
Operator(s) during disposal: Mattituck Air Base
Stated Operator(s) Address: Airway Drive / Mattituck, NY 11952
Hazardous Waste Disposal Period: From: 1946 To: 1981

Site Description:

The site is a maintenance and repair facility with an airfield. Solvent rinses and wastewater from the facility were discharged to several subsurface leaching pools until the pools were closed in 1979. Some wastewater and sludges were disposed in the area near a wind-sock for the purpose of "weed control", up until 1981. It was then determined that the facility exceeded the contaminant concentrations for copper, iron, lead, and cadmium, which were set forth in their SPDES permit. In 1983, two underground gasoline storage tanks were emptied and removed from service.

A Phase I Investigation has been completed, and a Phase II Investigation was completed in 1992. The investigations revealed that five chlorinated solvents were detected downgradient of the leaching pools in the shallow aquifer which is used for local drinking water supplies. The site overlies the upper glacial aquifers, which are designated as sole source aquifers.

A Consent Order for an Interim Remedial Measure (IRM) to cleanout leaching pools and soil remediation was signed by the PRP. The work of cleaning out the leaching pools and surrounding soil was completed in November 1997. Ongoing monitoring of the groundwater is being evaluated to determine the IRM's effectiveness. A Remedial Action Plan for residual groundwater contamination has been prepared. A Record of Decision (ROD) was issued in March 1999 selecting no further action beyond the November 1997 IRM which excavated 25 tons of soil, and long term monitoring as the preferred remedy for this site. Mattituck Aviation is performing the semi annual monitoring specified within the ROD. Groundwater monitoring was performed in April and October 1999, and will be continued for three years or until groundwater standards have been achieved for two consecutive sampling rounds. Sample results from October 30, 2001, indicate that the concentrations of dichlorobenzene are currently above groundwater standards in MW-3.

Confirmed Hazardous Waste Disposal:

Trichloroethylene (TCE)

Heavy Metals

chlorobenzene

dichlorobenzene

naphthalene

xylene

Quantity:

unknown

unknown

unknown

unknown

unknown

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Sand and gravel.		Groundwater: Range: 10 to 15 feet.

Legal Action: Type: State Consent Order	Status: Order Signed
Remedial Action: In Progress	Nature of action: IRM-Soil remediation. IRM-GW monitoring.

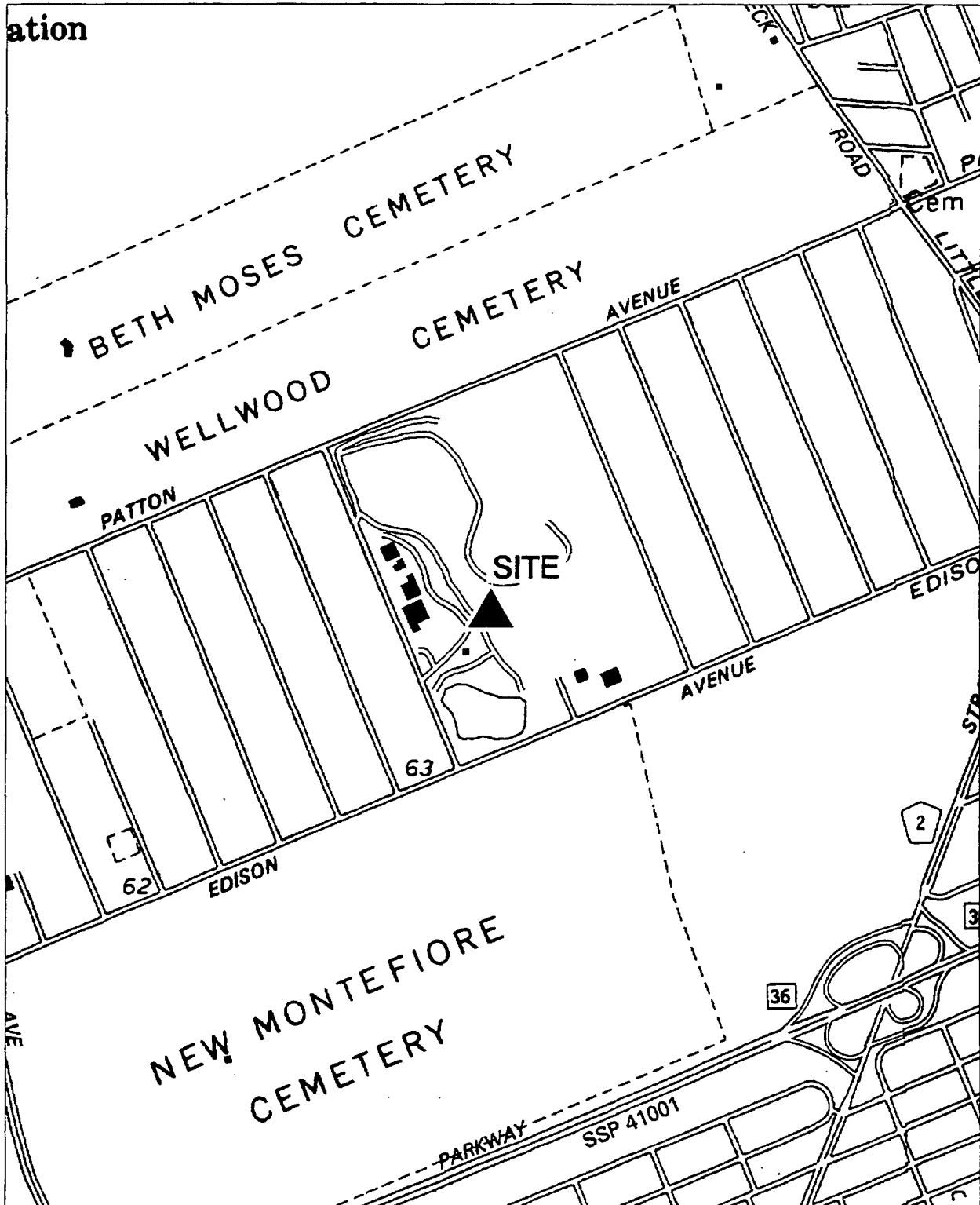
Assessment of Environmental Problems:

Groundwater contamination has been confirmed at this site. This site lies over a Sole Source Aquifer. Groundwater is the primary source of drinking water in the area.

Assessment of Health Problems:

On-site cesspools and contaminated soils were excavated and disposed of in 1997, eliminating the potential for exposure to soils contaminated with volatile organic compounds, cadmium and lead. Groundwater beneath the cesspools is contaminated with volatile organic compounds. Groundwater is the primary source of drinking water in the area. An on-site private drinking water supply well was sampled and no contamination was found above New York State standards for public drinking water supplies. Private drinking water supply wells downgradient of the site were sampled in 1994 and no contamination was detected. Groundwater will be sampled biannually to see if contaminant levels drop, indicating that the remedial action was effective.

SYL00115409



Site Location Map

152039 Babylon Landfill

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115410

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Babylon Landfill	Site Code: 152039
Class Code: 2 Region: 1 County: Suffolk	EPA Id: NYD980762728
Address: Gleam Street / West Babylon, NY 11704	
Latitude: 40° 44' 2" Longitude: 73° 23' 3"	
Site Type: Landfill	Estimated Size: 68 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Town of Babylon
Current Owner(s) Address: 200 East Sunrise Highway / North Lindenhurst, NY 11757
Owner(s) during disposal: Town of Babylon
Operator(s) during disposal: Town of Babylon
Stated Operator(s) Address: 200 East Sunrise Highway / North Lindenhurst, NY 11757
Hazardous Waste Disposal Period: From: 1947 To: present

Site Description:

This is an inactive municipal landfill with inactive scavenger lagoons adjacent to an active resource recovery plant and lined ashfill. The scavenger waste lagoons were in use for many years, and a plume of contamination has been detected and related to the landfill; the primary plume contaminants from the landfill appear to be iron, manganese, and sodium. DEC broke the site into two operable units in order to proceed with selection design, and construction of a landfill cap while study of the off-site groundwater plume continued. A Focused Feasibility Study has been completed for the cap and a Record of Decision was signed in February 1993. The Feasibility Study for the groundwater plume has been completed and a second Record of Decision (ROD) was signed in March 1994. Design of a groundwater extraction well, as required by the second operable unit ROD, was completed in March of 1995. This on-site extraction well was installed and added to the existing system in December 1996. Construction of the first operable unit landfill cap was completed in January 1998.

Confirmed Hazardous Waste Disposal:

Acetone based solvent
Methylene chloride based solvent

Quantity:

unknown
unknown

Analytical Data Available for: Air Groundwater	
Applicable Standards Exceeded in: Groundwater Drinking Water	
Geotechnical Information:	Depth to
Soil/Rock Type: Sand.	Groundwater: Range: 1 to 5 feet.
Legal Action: Type: State Consent Order -EQBA	Status: Order Signed
Remedial Action: Complete	Nature of action: Engineered cap + groundwater pump & treat.

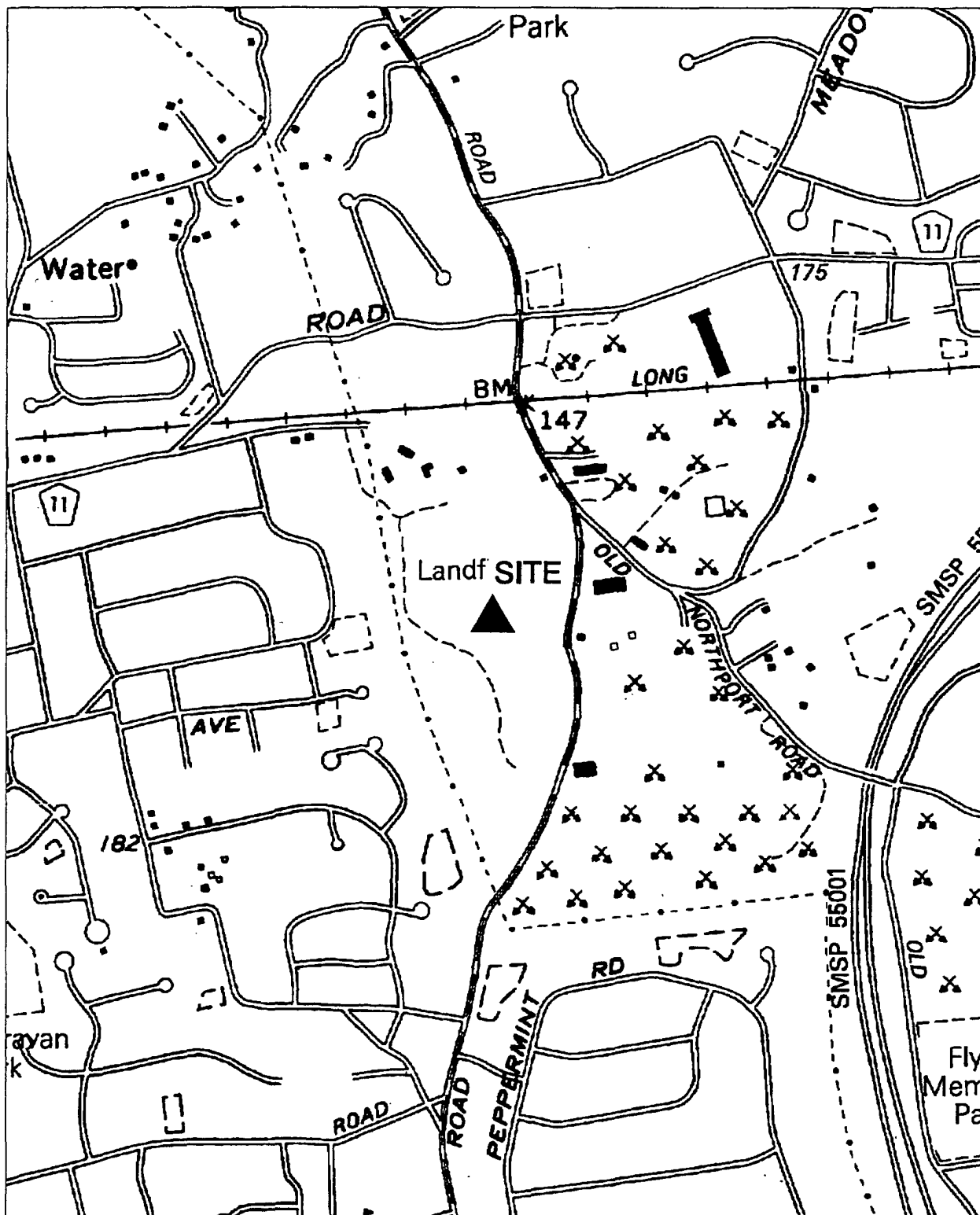
Assessment of Environmental Problems:

Groundwater contamination has been confirmed. A plume of landfill leachate extending three miles downgradient has been delineated. The volatile organic contamination present on the fringes of the inorganic leachate plume has been determined to have originated in the adjacent industrial areas.

Assessment of Health Problems:

Migration of methane gases had impacted a number of homes located 100 to 500 yards east and west of the site. In 1981, a passive methane venting collection and combustion system was installed to control gas migration and prevent gas from entering the homes. Since then, the methane gas recovery system has been upgraded as part of the active landfilling operation by restricting the infiltration of ambient air into the system. The groundwater plume emanating from this site contains elevated levels of iron, manganese, and sodium. However, consumption of contaminated groundwater is unlikely because public water supply wells in the area are routinely tested to ensure compliance with drinking water standards.

SYL00115411



Site Location Map

152040 Huntington Landfill

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115412

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Huntington Landfill		Site Code: 152040	
Class Code: 4	Region: 1	County: Suffolk	EPA Id: NYD980506844
Address: Town Line Road / Huntington, NY 11743			
Latitude: 40° 52' 42"		Longitude: 73° 17' 18"	
Site Type: Landfill		Estimated Size: 54 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **Town of Huntington**
 Current Owner(s) Address: **100 Main Street / Huntington, NY 11743**
 Owner(s) during disposal: **Town of Huntington**
 Operator(s) during disposal: **Town of Huntington**
 Stated Operator(s) Address: **100 Main Street / Huntington, NY 11743**
 Hazardous Waste Disposal Period: **From: 1935 To: 1989**

Site Description:

This closed municipal landfill, located in the northwest portion of Suffolk County, has a confirmed leachate plume in the sole source aquifer. This plume has traveled at least two miles to the northeast. Private residential wells downgradient of the landfill have been contaminated with tetrachloroethylene (PCE) and landfill leachate parameters. These contaminants have also been detected in downgradient monitoring wells. There have been three phases of providing public water to residents whose wells have been or potentially will be impacted by the landfill leachate plume. A Consent Order for a full remedial program was signed on March 26, 1991. The order calls for capping of the landfill concurrent with a Remedial Investigation/Feasibility Study (RI/FS). The Town of Huntington has entered into a state assistance contract which provides for 75% grant funding of eligible costs. In December of 1991, the site boundary was modified to exclude the 12-acre leasehold property, now the site of the Town's resource recovery plant. The Interim Remedial Program (IRP) landfill cap design was completed in July of 1993 by the Town's consultant and approved for construction by the NYSDEC. A second "alternative" design was approved by the NYSDEC on August 3, 1994. The landfill closure system utilizing the "alternative" design (landfill cap and gas collection system) was constructed with the completion in August 1996. Previous environmental reports of the site include a NYSDEC Phase I and numerous groundwater sampling reports by the Town's consultants. The RI/FS was completed in November, 1995. A Record of Decision was signed in March, 1996. A public water supply protection/institutional controls remedy was selected. An outpost monitoring well upgradient of the Gun Club Road public supply well was constructed in January 1997. Monitoring reports are regularly submitted on this site by the Town.

Confirmed Hazardous Waste Disposal:

Heavy metals

Vapor degreasing solvents

Tetrachloroethylene (PCE or "perc.")

Quantity:

unknown

unknown

unknown

Analytical Data Available for:	Air	Groundwater	Surface Water	Sediment
Applicable Standards Exceeded in:	Groundwater	Drinking Water	Surface Water	Air
Geotechnical Information:	Depth to			
Soil/Rock Type: Sand and gravel.	Groundwater: Range: 70 to 75 feet.			

Legal Action: Type: State Consent Order -EQBA	Status: Order Signed
Remedial Action: Complete	Nature of action: Landfill cap + active gas collection & venting.

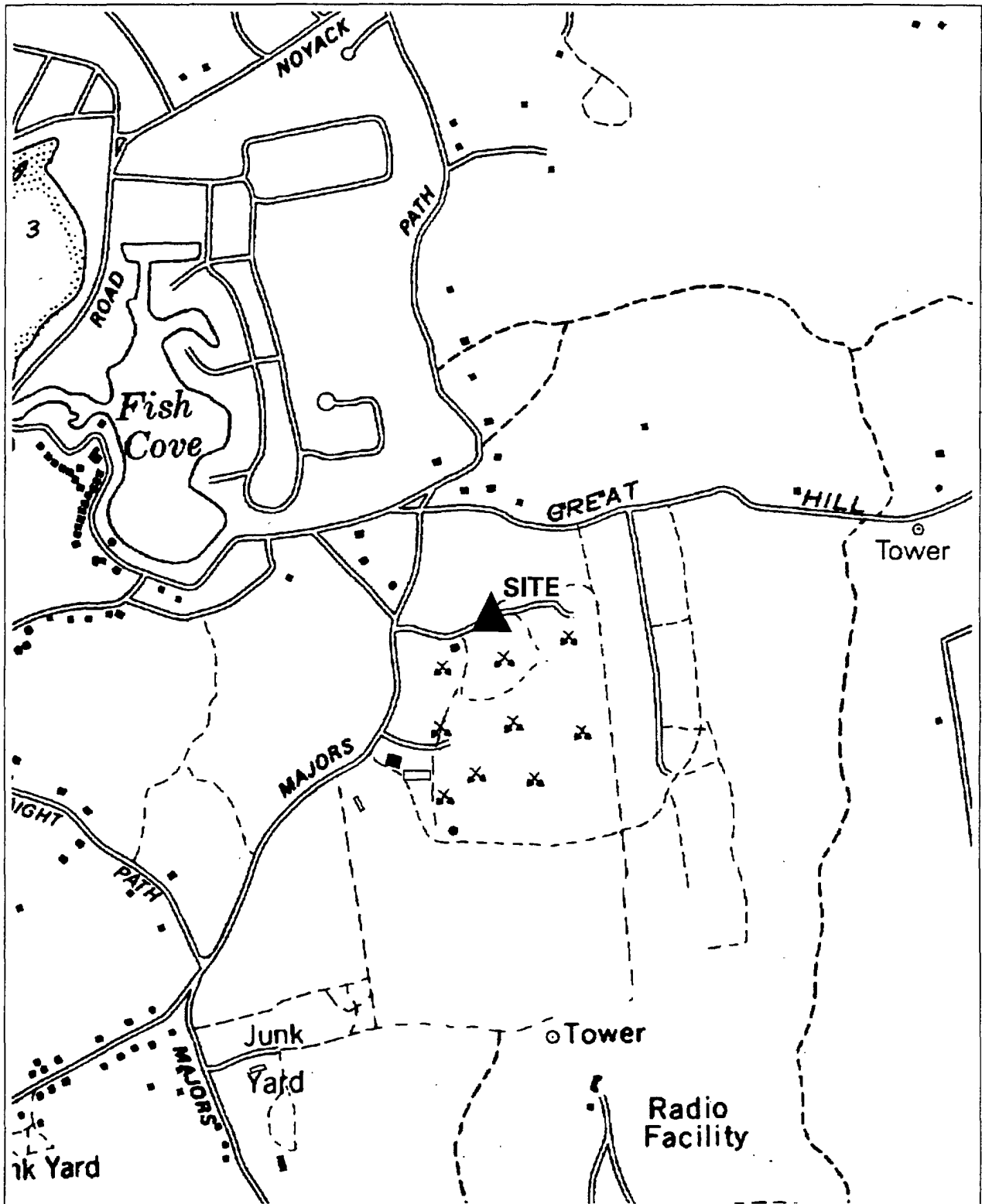
Assessment of Environmental Problems:

There is confirmed groundwater contamination at this site. A contaminant plume has moved off-site and affected private drinking water wells. The plume is discharging to the head waters of Sunken Meadow Creek approximately two miles to the northeast of the site.

Assessment of Health Problems:

Downgradient monitoring wells and some private wells were contaminated with inorganic and organic compounds associated with the landfill. At the request of the New York State Department of Health, homes with private wells contaminated with site-related compounds or threatened by the groundwater contaminant plume migrating from the landfill were connected to public water. The cap constructed on the landfill includes a gas collection/control system to prevent the off-site migration of landfill gas. The landfill cap will be maintained on a long-term basis to ensure proper function of the gas control system.

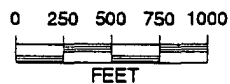
SYL00115413



Site Location Map

152052 North Sea Landfill

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000

April 1, 2002



County: Suffolk

SYL00115414

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: North Sea Landfill	Site Code: 152052
Class Code: 4 Region: 1 County: Suffolk	EPA Id: NYD980762520
Address: Majors Path / Southampton, NY 11968	
Latitude: 40° 56' 0" Longitude: 72° 23' 49"	Site is on the EPA - National Priorities List.
Site Type: Lagoon Landfill	Estimated Size: 100 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Town of Southampton
Current Owner(s) Address: Hampton Road / Southampton, NY 11968
Owner(s) during disposal: Town of Southampton
Operator(s) during disposal: Town of Southampton - Highway Department
Stated Operator(s) Address: 20 Jackson Avenue / Hampton Bays, NY 11946
Hazardous Waste Disposal Period: From: 1963 To: present

Site Description:

The North Sea Landfill is an active landfill covering approximately 100 acres. The major features of the area are three landfill cells and a former sludge lagoon area. Cell No. 1 and the former sludge lagoons are considered to be the site's source areas of investigation, while cells No. 2 & 3 were officially removed from the NYSDEC's Registry of Inactive Hazardous Waste Sites in 1991 as their start-up dates were well after the period of time originally suspected of being associated with hazardous waste deposition. Cell No. 2 has been closed in accordance with 6NYCRR Part 360 and cell No. 3 remains active as the Town's only sanitary landfill. A Remedial Investigation/Feasibility Study (RI/FS) was completed in 1989 under the direction of the USEPA. This called for the closure of cell No. 1 in accordance with 6NYCRR part 360 and for confirmatory sampling of the sludge lagoons. A second operable unit investigation of groundwater impacts and of Fish Cove was also deemed necessary. Contravention of several groundwater standards, particularly heavy metals, was demonstrated during the RI. The RI for the second operable unit was completed in September of 1992. This study resulted in a "No Further Action" Record of Decision, but the Town, using Title 3 money, extended the existing water main to residences on the periphery of the contaminated groundwater plume. This action is being taken pursuant to a NYSDOH recommendation. The construction of the water main extension was completed in October 1997. The water main project was completed in July 1998 with the hookup of the one remaining private residence. Cell No. 1 has been capped, and the site is now into the operation/maintenance and monitoring stage of the remediation. O & M monthly reports are regularly submitted.

Confirmed Hazardous Waste Disposal:

Pesticides
Solvents
Chromium

Quantity:

unknown
unknown
unknown

Analytical Data Available for:	Groundwater Soil Sediment
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	Depth to
Soil/Rock Type: Sand and gravel.	Groundwater: Range: 45 to 50 feet.
Legal Action: Type: Federal Consent Order	Status: Order Signed
Remedial Action: Complete	Nature of action: Landfill cap + water main extension.

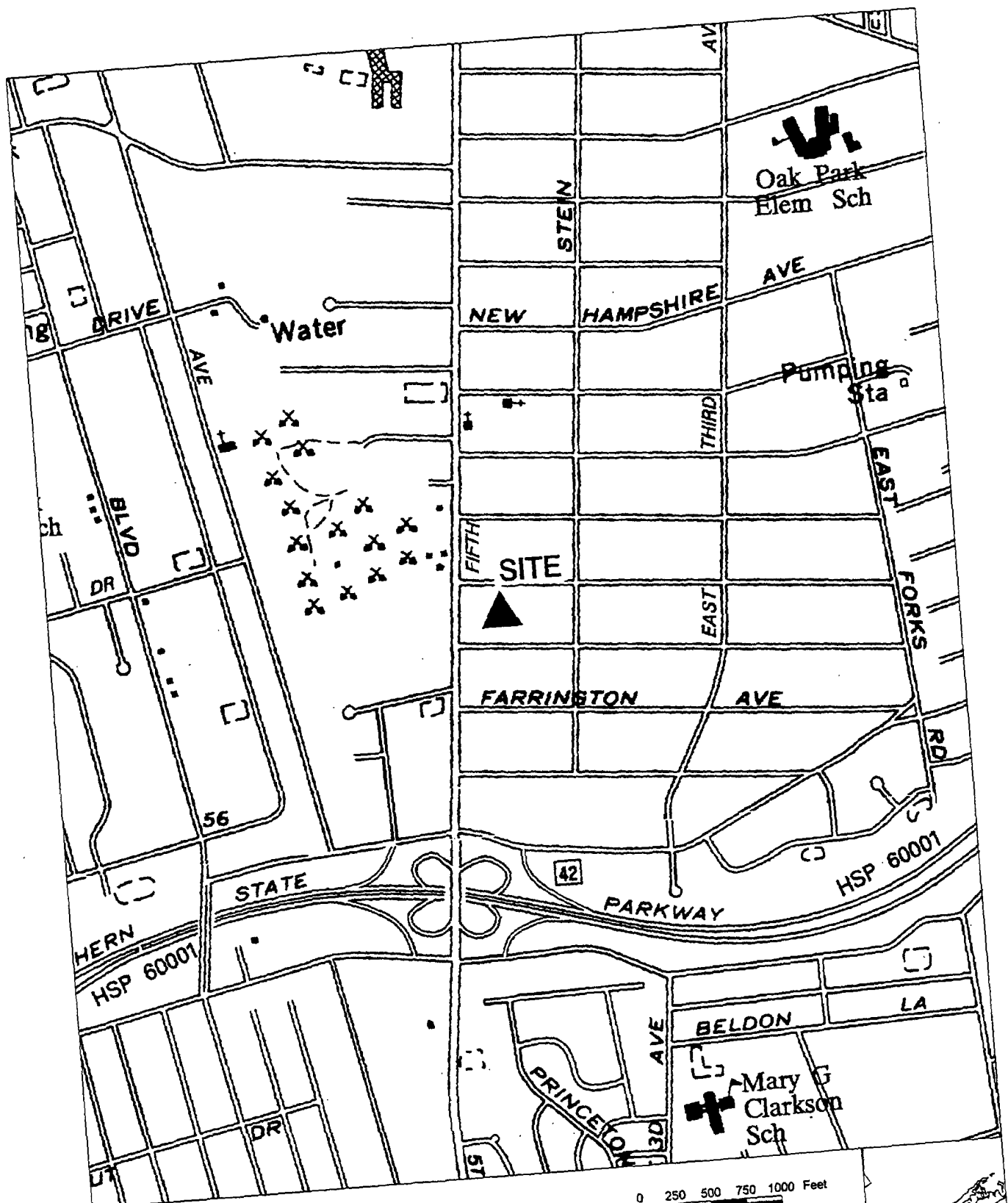
Assessment of Environmental Problems:

Groundwater contamination has been documented. Fish cove, a class SA body of water, appears to be impacted by landfill leachate. Due to contaminated groundwater, nearby residences have been hooked up to public water.

Assessment of Health Problems:

A leachate plume migrating from the landfill has contaminated groundwater and the surface water and sediments in an area of Fish Cove. Although the majority of the homes located downgradient from the landfill are supplied with public drinking water, some private wells exist. Homes with private drinking water supply wells threatened by the groundwater contaminant plume were connected to a public drinking water supply. The landfill cap prevents direct contact with site wastes and minimizes the off-site migration of contaminants. The cap also diminishes the production of landfill leachate which has contaminated area groundwater, thereby reducing contaminant levels. Clam samples from Fish Cove contain levels of metals generally within the range of those collected from other waters and therefore have not been affected by site-related contamination.

SYL00115415



Site Location Map

152077 ServAll Laundry

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115416

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: ServAll Laundry			Site Code: 152077
Class Code: 4	Region: 1	County: Suffolk	EPA Id: NYD068026657
Address: 8 Drayton Avenue / Bay Shore, NY 11706			
Latitude: 40° 45' 16"		Longitude: 73° 15' 41"	
Site Type: Structure		Estimated Size: 0.2 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: R. Colantuoni c/o 8 Drayton Ave., Inc.
Current Owner(s) Address: 1167 Hillboro Mile / Hillsboro Beach, FL 33062
Owner(s) during disposal: ServAll Laundry, Inc.
Operator(s) during disposal: ServAll Laundry, Inc.
Stated Operator(s) Address: 8 Drayton Avenue / Bay Shore, NY 11706
Hazardous Waste Disposal Period: From: 1972 To: 1984

Site Description:

ServAll Laundry was a laundry/dry-cleaning business owned by Ralph Colantuoni. ServAll operated on this 20,000 square foot property from 1972 to 1984. Since the early 1970s, ServAll disposed of unknown quantities of washwater overflow without a SPDES permit. During 1978 and 1983, the Suffolk County Department of Health Services (SCDHS) conducted an on-site sampling of leachpools, cesspools and storm drains. The sampling data revealed that wastewater and sludge were contaminated with tetrachloroethylene (PCE or "perc.") at a level of 160 ppb, heavy metals, and vinyl chloride. In 1983, SCDHS, Bureau of Water Resources, located a vinyl chloride contaminated groundwater plume emanating southeast of the ServAll Laundry site. A plume of contamination has moved above a Suffolk County Water Authority Wellfield and is currently about two miles long. Analysis of the plume showed the presence of tetrachloroethylene. A state-funded Remedial Investigation/Feasibility Study (RI/FS) was completed and a Record of Decision was signed in March of 1992. The RI/FS confirmed the presence of trichloroethylene, dichloroethylene, dichloroethane, and vinyl chloride, and delineated the groundwater plume as well as quantified the on-site contamination. The ROD calls for soil vacuum extraction and groundwater pump and treat at the source area and a discharge study to be conducted on the front end of the plume. A State Funded remedial design began in December of 1992 and was completed in March of 1995. The groundwater pump and treat system construction began in October 1996 and began operating in March 1998. The operation of the treatment plant was discontinued November 28, 2001 as plant influent contamination concentrations have been reduced to 24 ppb, and further operation of the facility is not beneficial.

Confirmed Hazardous Waste Disposal:

Vinyl Chloride

Tetrachloroethylene (PCE or "perc.")

Quantity:

unknown

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:		Depth to
Soil/Rock Type: Sand.		Groundwater: Range: 30 to 35 feet.

Legal Action: Type:	Status:
Remedial Action: In Progress Complete	Nature of action: GW pump & treat + soil vapor extraction & treat.

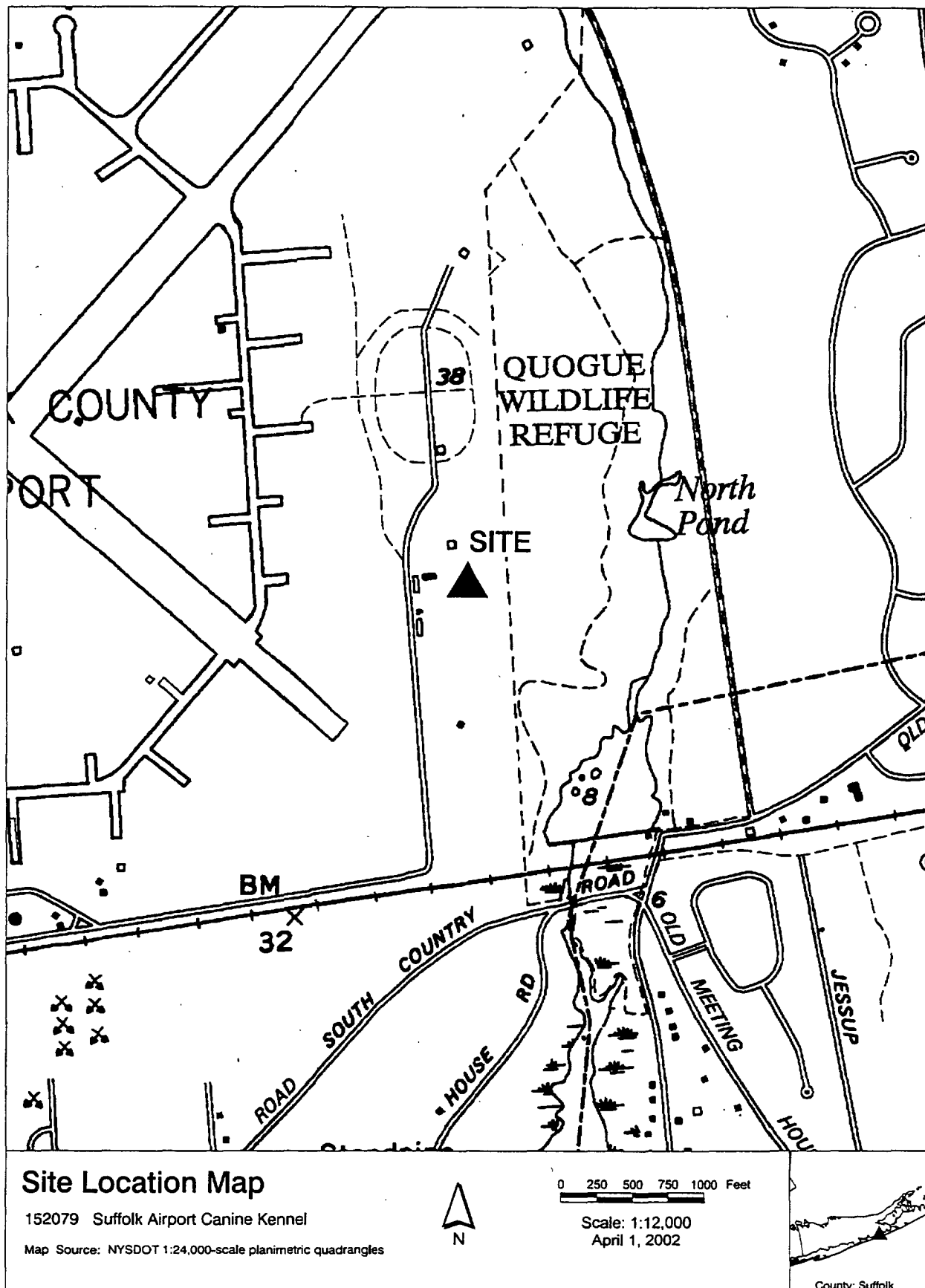
Assessment of Environmental Problems:

Hazardous waste disposal has caused contamination of groundwater and soil at this site. A contaminant plume has moved off-site in concentrations above NYS standards.

Assessment of Health Problems:

The Thomas Avenue wellfield is located 1 mile south of the site and the drinking water quality is routinely monitored by the Suffolk County Water Authority. The water quality has not been affected by the contaminant plume. Public water is available in the area of the plume from this site. Suffolk County Health Department of Health Services did a survey in the area of the plume to determine if private water supply wells were in use. Those residences found to have private water supply wells were connected to public water.

SYL00115417



SYL00115418

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name:	Suffolk Airport Canine Kennel	Site Code:	152079
Class Code:	2	Region:	1
		County:	Suffolk
Address:	Old River Head Road / Westhampton Beach, NY 11978		
Latitude:	40° 50' 20"	Longitude:	72° 37' 13"
Site Type:	Dump	Estimated Size:	1 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Suffolk County c/o Public Works Department
Current Owner(s) Address: 335 Yaphank Road / Yaphank, NY 11980
Owner(s) during disposal: US Department of the Air Force
Operator(s) during disposal: US Department of the Air Force
Stated Operator(s) Address: Suffolk Air Base / Westhampton Beach, NY 11978
Hazardous Waste Disposal Period: From: unknown To: unknown

Site Description:

This site is located in a remote area of the Suffolk County Airport near the eastern property line in Westhampton Beach, Town of Southampton. The former dog kennel and small abandoned building have been out of use for many years and are in a state of disrepair. South of the kennel is an area of disturbed ground. It is an irregularly-shaped excavation pit approximately 0.5 acres in size. In May 1984, a 10 foot deep pit was observed with several large half buried capacitors leaking PCB oil. Nine soils samples were taken and analyzed for PCB's, eight were found to contain Aroclor 1254 in concentrations ranging from trace to 1700 ppm. In January 1986, the pit was only half as deep, the capacitors were no longer visible and there were signs of recent earthwork activities. The area was devoid of vegetation. In 1996, a Preliminary Site Assessment (PSA) was performed in order to evaluate the impact, if any, on local groundwater quality. PCB's were not detected in the groundwater samples taken. The area is now overgrown. In July 2000 the DEC performed additional soil sampling. This sampling effort confirmed the presence of elevated levels of PCB's and the presence of waste capacitors. Soil samples contained PCB's in levels as high as 150,000 ppm.

Confirmed Hazardous Waste Disposal:

PCBs (Aroclor 1254 & 1260) B001 Waste

Quantity:

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:		
Geotechnical Information:	Depth to	
Soil/Rock Type: Sand.	Groundwater:	Range: 5 to 15 feet.
Legal Action: Type:	Status:	
Remedial Action:	Nature of action:	

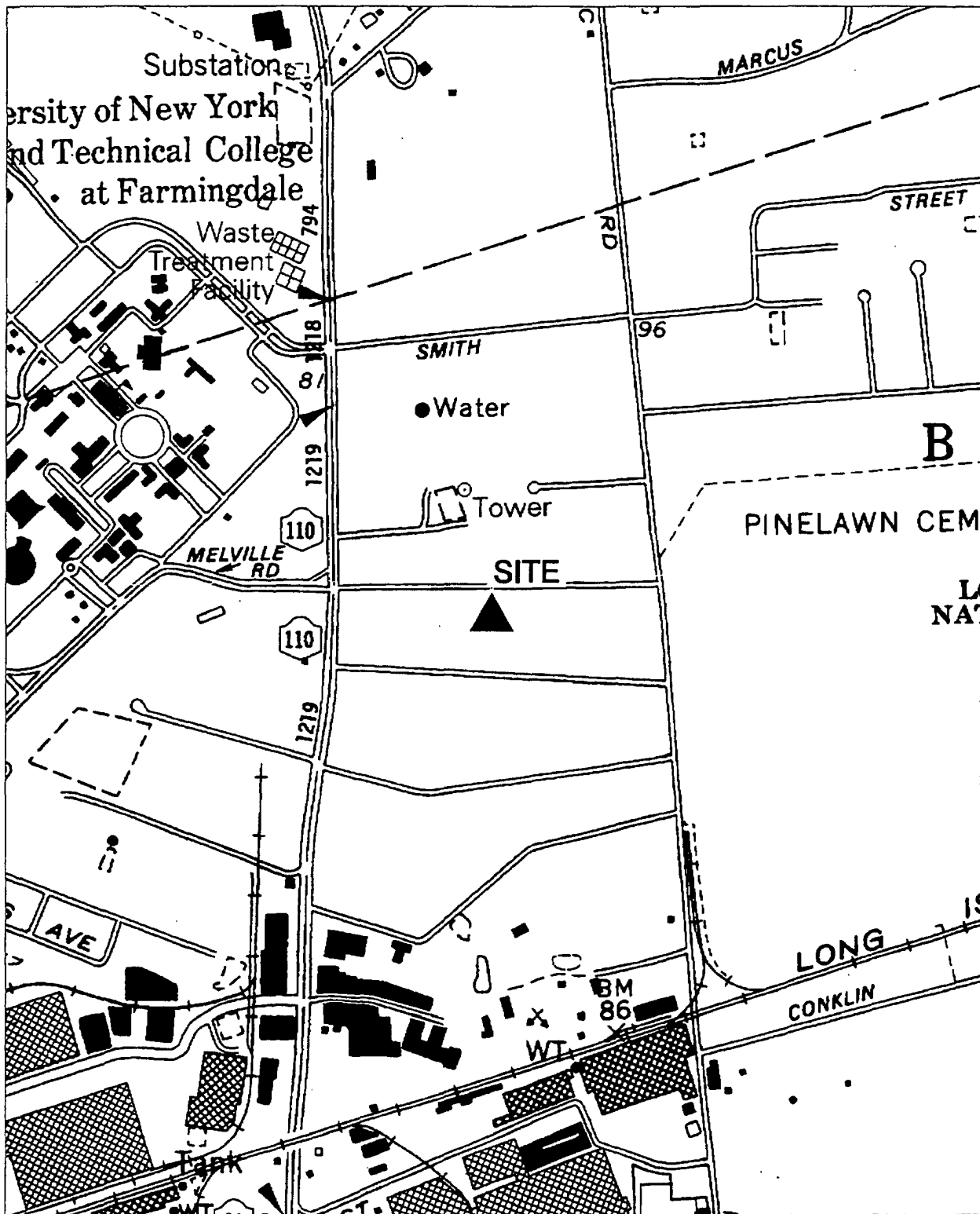
Assessment of Environmental Problems:

Significant soil contamination by PCB's has been confirmed. There has been no impact to local groundwater.

Assessment of Health Problems:

Soil on-site is contaminated with PCBs. The site is within the fenced perimeter of the airport. The nearest wells currently used for drinking purposes are the Suffolk County Water Authority (SCWA) public water supply wells located 2.5 miles northeast (upgradient) of the site. The developed area surrounding the site is served by the SCWA. The SCWA wells are tested quarterly, and to date have been in compliance with the NYS drinking water standards. The area is currently used for boat storage, and people may be exposed to the contaminated soil through dermal contact when they bring the boats in and out of storage.

SYL00115419



Site Location Map

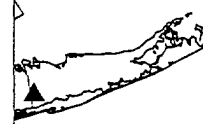
152082 Circuitron Corporation

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115420

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Circuitron Corporation			Site Code: 152082
Class Code: 2	Region: 1	County: Suffolk	EPA Id: NYD981184229
Address: 82 Milbar Boulevard / Farmingdale, NY 11735			
Latitude: 40° 44' 58"		Longitude: 73° 25' 5"	Site is on the EPA - National Priorities List.
Site Type: Structure		Estimated Size: 0.95 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **ADI/Circuitron Corporation**
 Current Owner(s) Address: **101 Trade Zone Drive / Ronkonkoma, NY 11779**
 Owner(s) during disposal: **Mario Lombardo**
 Operator(s) during disposal: **unknown**
 Stated Operator(s) Address:
 Hazardous Waste Disposal Period: **From: 1961 To: present**

Site Description:

The site consisted of a building, which housed a circuit board facility. Plant processes included: photographic, riston, silk screen processing, plating and an etching operation which contained heavy metals and solvents that were discharged to the ground through leaching pools. The operation ceased in 1986 and the buildings were left empty except for various storage tanks holding hazardous chemicals. This included five in-ground cement lined holding tanks within the building and raw chemical storage tanks outside the building. Samples contaminated with heavy metals and organics were taken from the SPDES discharge pools, two hidden leach pools in the plating room, storm drains on the west side of the building, and from another abandoned SPDES discharge pool. This site has been found to present a significant threat to the environment and has been placed on the National Priorities List (NPL). A Phase I Investigation and a Remedial Investigation/Feasibility Study (RI/FS) was completed for this site. Two Records of Decision (RODs) have been signed, which call for source control and groundwater cleanup. The RODs include: groundwater pump and treat via air stripping of the groundwater; soil vapor extraction of contaminated soils; and excavation of contaminated sediments. In September 1996, 100% of the groundwater design was approved. Operable unit 1 (OU-1), (soil remediation), source removal work was completed in January, 1997. The building was demolished and contaminated sediments were removed.

For operable unit 2 (OU-2), (groundwater), additional geoprobe work was performed in late 1998, to refine the groundwater design. Construction of the groundwater treatment system began in November, 1999 and was completed on June 28, 2000.

Confirmed Hazardous Waste Disposal:

Heavy metals

1,1,1-Trichloroethane (TCA)

Methyl ethyl ketone (a.k.a. 2-butanone)

1,1,2-Trichloroethylene

Toluene

Plating wastes

Quantity:

unknown

unknown

unknown

unknown

unknown

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:		Depth to
Soil/Rock Type: Sand and gravel.		Groundwater: Range: 15 to 20 feet.

Legal Action: Type:	Status:
Remedial Action: In Progress	Nature of action: Groundwater pump & treat system.

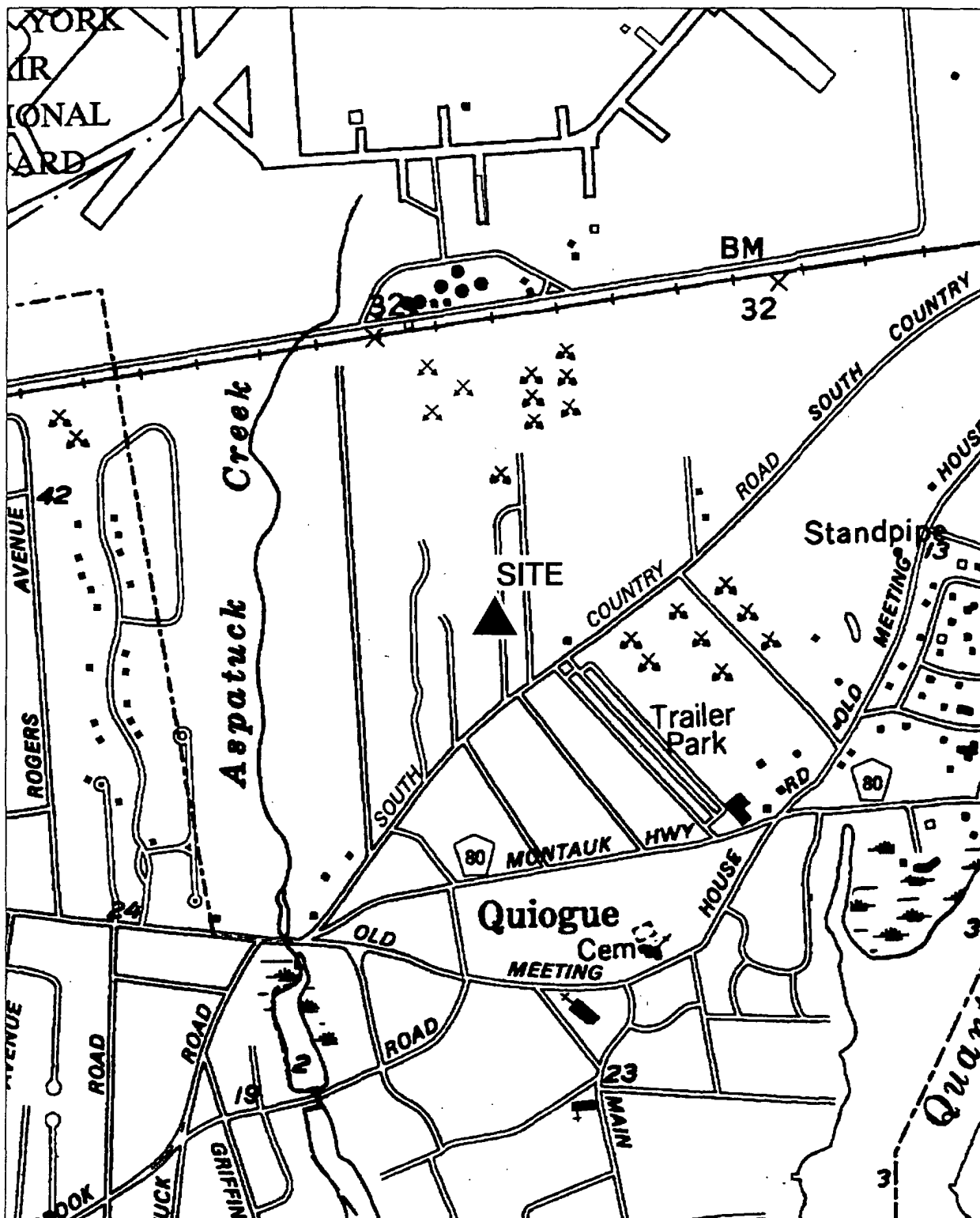
Assessment of Environmental Problems:

Significant groundwater contamination. The site has been found to present a significant threat to the environment.

Assessment of Health Problems:

Site activities left groundwater and soils contaminated with volatile organic compounds and metals. Groundwater is the sole source of drinking water in the area, and there are public drinking water supply wells near the site. Two municipal supply wells are within 900 feet southeast of the site. The shallow well is contaminated with volatile organic compounds at levels in excess of New York State standards for public drinking water supplies and was taken out of service. Routine sampling of the public drinking water supply wells will assure detection of any future contamination. No private drinking water supply wells are known to exist in the surrounding area. A groundwater extraction and treatment system was installed at the site to reduce contaminant levels in the shallow aquifer. The on-site building was demolished and contaminated soils and sediments were removed from the site, eliminating the potential for direct contact exposure to site related contamination.

SYL00115421



Site Location Map

152087 L & C Concrete Corp - Joseph Menafra

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115422

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name:	L & C Concrete Corp. - Joseph Menafr			Site Code:	152087
Class Code:	2a	Region:	1	County:	Suffolk
Address:		South Country Road / Quogue, NY 11959			
Latitude:		40° 49' 36"	Longitude:		72° 37' 55"
Site Type:	Landfill		Estimated Size: 32.9 Acres		

Site Owner / Operator Information:

Current Owner(s) Name: L & C Concrete Corp.
Current Owner(s) Address: PO Box 600 / Westhampton, NY 11977
Owner(s) during disposal: Joseph Menafr
Operator(s) during disposal: Joseph Menafr
Stated Operator(s) Address: 8 Daly Road / East Northport, NY 11731
Hazardous Waste Disposal Period: From: 1973 To: 1982

Site Description:

This site was used as a construction and demolition (C&D) waste landfill. The property was owned by the Town of Southampton until 1973. While in Town ownership, the land lay fallow except that the top soil was stripped and removed off-site for use elsewhere. In 1973, the land was sold to Joseph Menafr, who operated a sand mine and solid waste management facility for construction and demolition debris. In 1982, L & C Transit Mix Corporation purchased the property. In the 1970s a fuel spill occurred on the Westhampton Air Force Base, which is located immediately north of the Long Island Railroad tracks which form the northerly boundary of the site. The spill is thought to have consisted of several thousand gallons, which infiltrated the ground, then began movement southward with the flow of the groundwater. A Phase I Investigation was completed in September of 1989. A preliminary injunction was obtained by the Attorney General to stop all sand mining and construction and demolition material disposal on site. A Preliminary Site Assessment (PSA) was completed in the fall of 2000.

Confirmed Hazardous Waste Disposal:
unknown

Quantity:

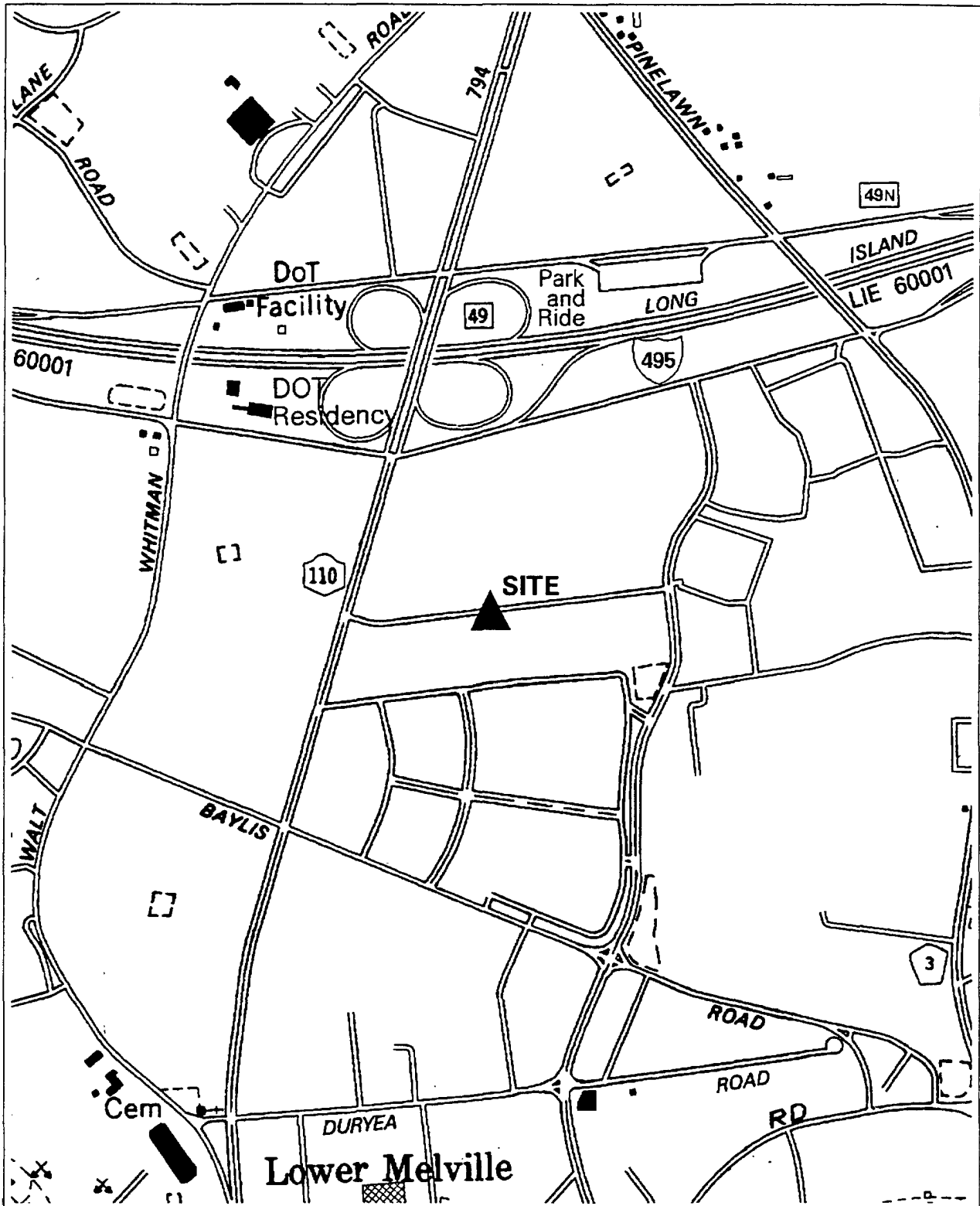
Analytical Data Available for:	Groundwater
Applicable Standards Exceeded in:	
Geotechnical Information:	Depth to
Soil/Rock Type: Sand-rich loam.	Groundwater: Range: 20 to 25 feet.
Legal Action: Type:	Status:
Remedial Action:	Nature of action:

Assessment of Environmental Problems:

Assessment of Health Problems:

Jet fuel spills at the former Westhampton Air Force Base (located slightly north of the site) have contaminated groundwater on site and downgradient from the site. Public water was supplied to homes with private wells contaminated by the fuel spill.

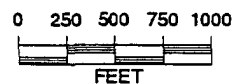
SYL00115423



Site Location Map

152102 IW Industries, Inc.

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Suffolk

SYL00115424

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: IW Industries, Inc.			Site Code: 152102
Class Code: 2	Region: 1	County: Suffolk	EPA Id:
Address: 35 Melville Park Road / Melville, NY 11747			
Latitude: 40° 46' 35"		Longitude: 73° 25' 0"	
Site Type: Structure		Estimated Size: 3 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Bnei Izhak Holding Corporation
Current Owner(s) Address: 35 Melville Park Road / Melville, NY 11747
Owner(s) during disposal: Bnei Izhak Holding Corporation
Operator(s) during disposal: IW Industries, Inc.
Stated Operator(s) Address: 35 Melville Park Road / Melville, NY 11747
Hazardous Waste Disposal Period: From: 1972 To: present

Site Description:

This firm manufactures machined parts such as plumbing and lighting fixtures and other industrial parts. Plating baths are no longer used in the manufacturing process. Two subsurface leaching pools which were used for industrial waste discharge were removed from the site along with the associated visibly stained soil. The remaining holes were backfilled with clean soil and paved over with asphalt. Exposure to contaminated soil is not expected. On-site monitoring wells, indicated the presence of lead and organic chemicals at levels above the NYS Part 703 groundwater standards. The PRP has performed additional site investigations. A Remedial Investigation/Feasibility Study (RI/FS) Consent Order has been signed by the PRP for on-site investigation work only. An IRM that included the pump out of over 20,000 gallons of contaminated liquid/sludge from on-site storm drains was completed during the RI. A ROD was signed on March 31, 2000. The remedy was completed during July 2000 and the final Engineering Report has been approved. The project is now complete.

Confirmed Hazardous Waste Disposal:

Lead
Toluene
Xylene

Quantity:

unknown
unknown
unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:	Depth to	
Soil/Rock Type: Sand.	Groundwater: Range: 45 to 50 feet.	
Legal Action: Type: State Consent Order -RI/FS	Status: Order Signed	
Remedial Action: Complete	Nature of action: On-site storm drain clean-out.	

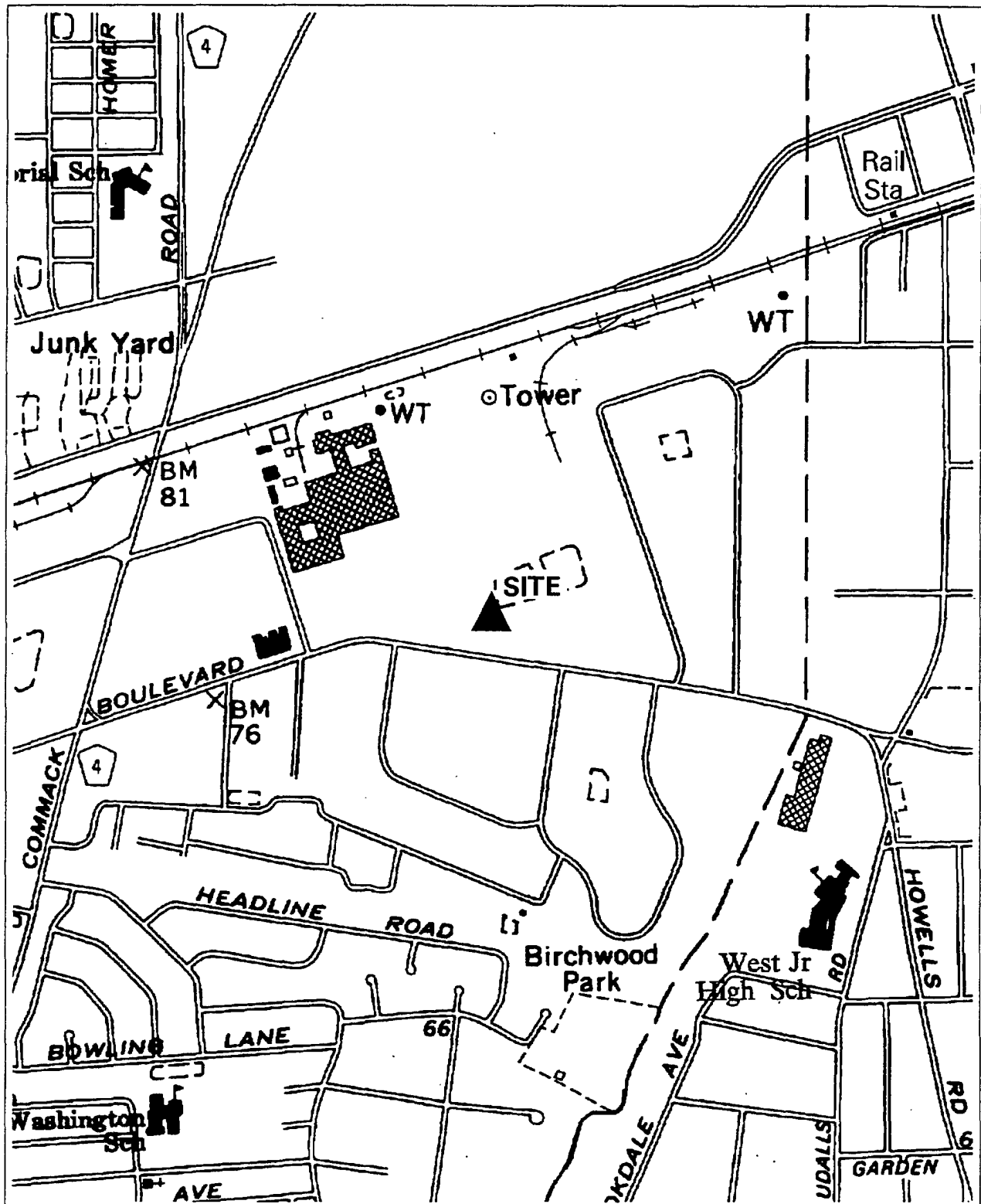
Assessment of Environmental Problems:

Hazardous waste disposal has caused contamination of groundwater at this site at levels above NYS standards.

Assessment of Health Problems:

Subsurface leaching pools and dry wells used for industrial waste water were recently remediated to remove contaminants. Testing of on-site monitoring wells indicated the presence of inorganic chemicals, including iron, manganese, and chromium at concentrations up to several hundred times above natural groundwater values. Petroleum compounds were also detected in groundwater at the site. Since homes and businesses near this site are supplied with public water, exposure to site-related contamination in drinking water is not expected. In accordance with the Record of Decision for the site, oil contamination will be removed from groundwater and groundwater quality will continue to be monitored.

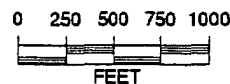
SYL00115425



Site Location Map

152103 Commercial Envelope Manufacturing, Inc.

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000

April 1, 2002



County: Suffolk

SYL00115426

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Commercial Envelope Manufacturing, Inc.	Site Code: 152103
Class Code: 4 Region: 1 County: Suffolk	EPA Id: NYD981184138
Address: 900 Grand Boulevard / Deer Park, NY 11729	
Latitude: 40° 45' 45" Longitude: 73° 18' 11"	
Site Type: Structure	Estimated Size: 1 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Commercial Envelope Manufacturing
Current Owner(s) Address: 900 Grand Boulevard / Deer Park, NY 11729
Owner(s) during disposal: Commercial Envelope Manufacturing
Operator(s) during disposal: Commercial Envelope Manufacturing
Stated Operator(s) Address: 900 Grand Boulevard / Deer Park, NY 11729
Hazardous Waste Disposal Period: From: 1976 To: present

Site Description:

This site is an envelope manufacturing firm. Wastes generated from the photo and printing operations carried out at the facility were discharged to the groundwater. Industrial wastewater is generated from a print-wash station, a photographic operation and miscellaneous wash sinks. Frequent inspections and sampling done by the Suffolk County Department of Health Services (SCDHS) have identified three areas that contained elevated levels of solvents and heavy metals: 1) three leaching pools, 2) three ink waste storage tanks, and 3) an area adjacent to a trash compactor. In the spring of 1986, a clean-up effort was initiated and monitoring wells were installed. A Phase I Investigation was completed in June of 1987. Additional investigation in 1997 showed that soil and groundwater in the vicinity of the underground storage tank (UST) area do not contain volatile organic compounds (VOCs). Continued groundwater monitoring is required to evaluate contaminants still detected in monitoring well DP-2. The Operation & Maintenance (O&M) phase for this site is underway.

Confirmed Hazardous Waste Disposal:

Methylene chloride

Tetrachloroethylene (PCE or "perc.")

Toluene

Xylene

1,2,4-trimethyl benzene

Trichloroethylene (TCE)

Cis-dichloroethylene

Copper

toluene

Zinc, lead

Quantity:

unknown

unknown

unknown

unknown

unknown

unknown

unknown

unknown

unknown

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Sand.		Groundwater: Range: 10 to 15 feet.

Legal Action: Type: State Consent Order	Status: Order Signed
Remedial Action: Complete	Nature of action: Soil and sediment removal.

Assessment of Environmental Problems:

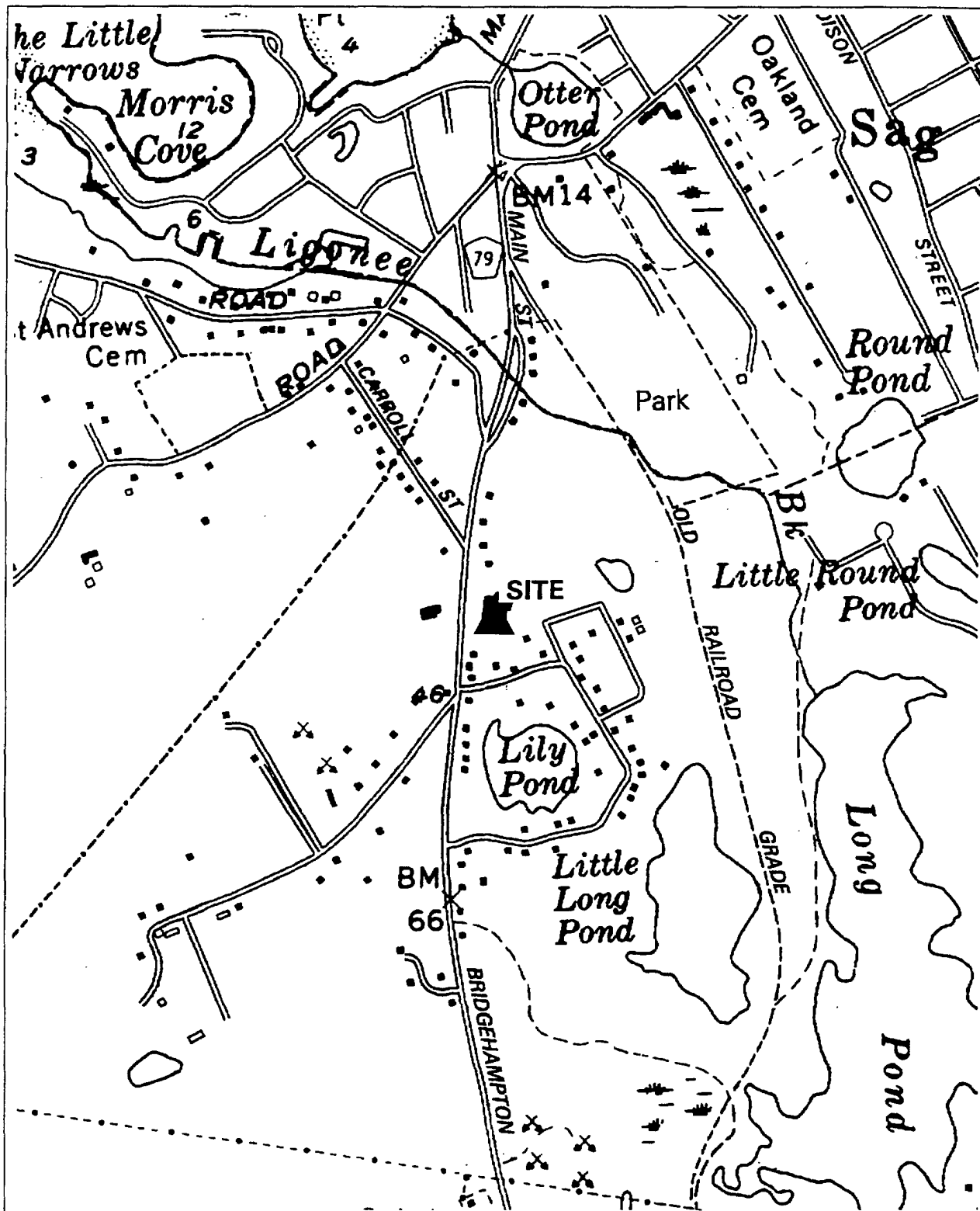
Groundwater contamination problem resulting from several years of continuous discharge of printing ink and photo wastes containing mixed heavy metal and solvent wastes.

Groundwater monitoring will continue to evaluate groundwater contamination. VOCs have been non-detect in the soils in the area of the UST.

Assessment of Health Problems:

With a few exceptions, the area is served by public water which is routinely monitored. In June 1997 three private wells were identified downgradient of the site; one of the three wells was contaminated above drinking water standards. In April 1998, contaminant concentrations in that well were below drinking water standards. The source of the contamination in the private well has not been identified.

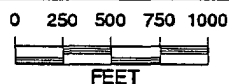
SYL00115427



Site Location Map

152106 Rowe Industries, Inc.

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Suffolk

SYL00115428

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Rowe Industries, Inc.		Site Code: 152106	
Class Code: 2	Region: 1	County: Suffolk	EPA Id: NYD981486954
Address: Bridgehampton Turnpike / Sag Harbor, NY 11963			
Latitude: 40° 58' 59"		Longitude: 72° 18' 3"	
Site Type: Structure		Estimated Size: 5 Acres	
Site is on the EPA - National Priorities List.			

Site Owner / Operator Information:

Current Owner(s) Name: Sag Harbor Industries
Current Owner(s) Address: Bridgehampton Turnpike / Sag Harbor, NY 11963
Owner(s) during disposal: Rowe Industries, Inc. (Mr. Robert Rowe)
Operator(s) during disposal: Rowe Industries, Inc.
Stated Operator(s) Address: Bridgehampton Turnpike / Sag Harbor, NY 11963
Hazardous Waste Disposal Period: From: pre 1969 To: 1976

Site Description:

This is the site of a former electric motor manufacturing firm that used solvents for degreasing. The contaminant plume is defined by the Suffolk County Department of Health Services (SCDHS) as originating in the vicinity of Sag Harbor Industries, extending about one-half mile to the northwest, and about 500 feet in width. To date, groundwater contamination has been verified from 12 feet below the surface to depths greater than 124 feet, with higher contamination strengths occurring between 40 and 82 feet below the ground surface. Drinking water contamination for about 45 nearby residents has been confirmed, and there is a threat of contamination for about 39 additional people. Over half of the residents' wells and eleven monitoring wells located within the plume area showed contamination when tested. The USEPA brought in a public water supply to those people whose wells were contaminated. The USEPA, has the lead on this NPL site. A Remedial Investigation/Feasibility Study (RI/FS) has been completed, and a Record of Decision (ROD) was signed on September 30, 1992. The ROD calls for remedial action for both the soil and groundwater media including: excavation and disposal of approximately 365 yards of soil; pump and treatment of contaminated groundwater via air stripping, and a long term monitoring program. The soil design was completed in September 1997. Soil vapor extraction (SVE) replaced the extraction and disposal remedy. The construction of the SVE system began in December 1997 and was completed in May 1998. The groundwater design was approved by USEPA in December 1999. The construction of the treatment building and the Salamander exclusion zone around the site of the recharge basin began in December 2001. Construction should be completed by Summer 2002.

Confirmed Hazardous Waste Disposal:

1,1,1-Trichloroethane (TCA)
 1,1,2-Trichloroethylene (TCE)
 Tetrachloroethylene (PCE or "perc.")
 1,1-Dichloroethylene

Quantity:

unknown
 unknown
 unknown
 unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:		Depth to
Soil/Rock Type: Sand.		Groundwater: Range: 10 to 15 feet.
Legal Action: Type: Federal Consent Order		Status: Order Signed
Remedial Action: In Progress		Nature of action: GW pump & treat + soil vapor extraction.

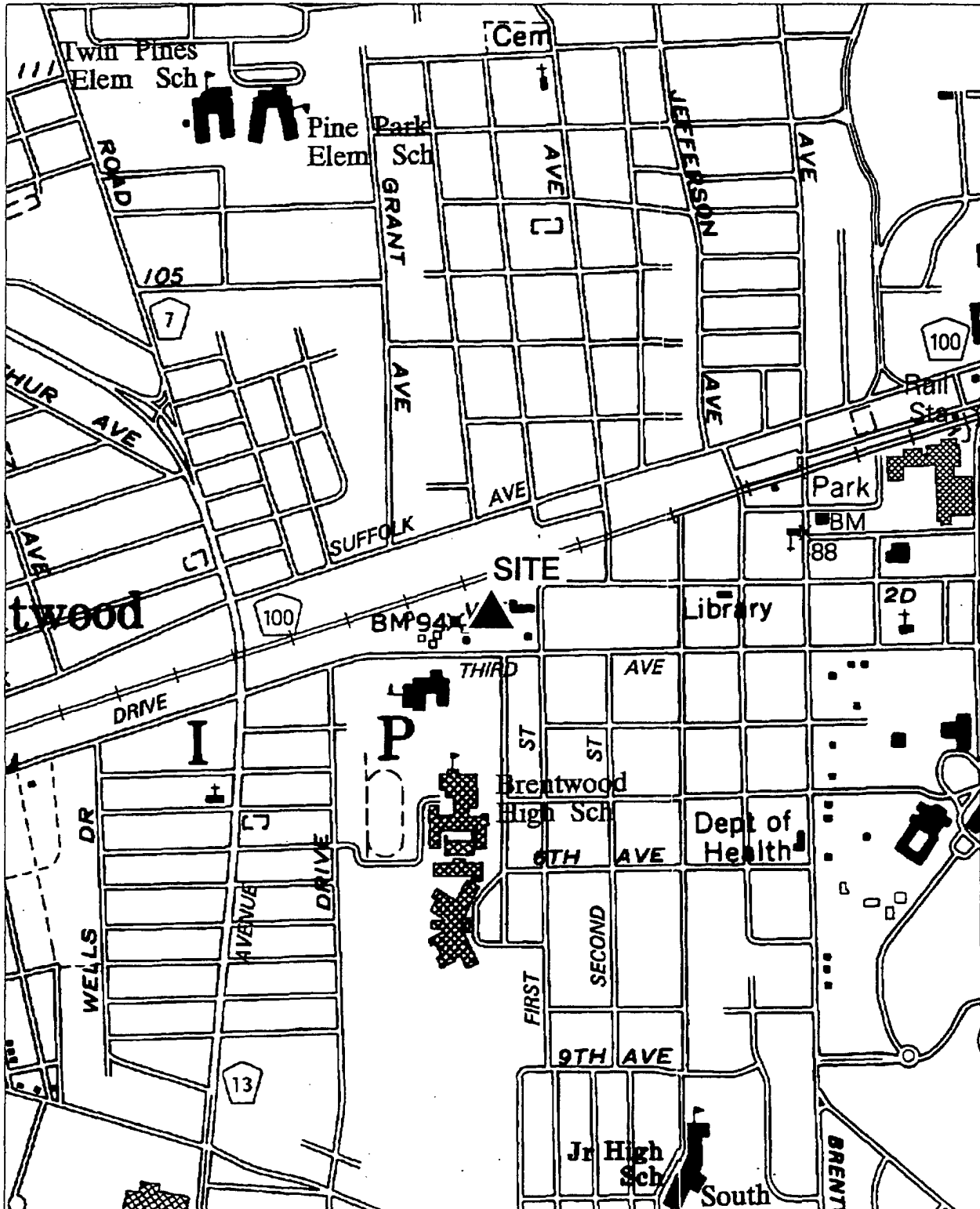
Assessment of Environmental Problems:

A large groundwater contamination plume has affected 45 private supply wells. More may eventually become affected. Some houses have been hooked up to public water.

Assessment of Health Problems:

Groundwater is the primary source of drinking water in the area, and there are numerous private, industrial and public water supply wells within one mile of the site. Private residences are within 150 feet of the site. Forty-two private wells near the site were contaminated with chlorinated solvents and public water was made available to the affected residences in late 1984. Suffolk County Health Department Services sampled several private wells still in use in 1992. None of the wells were contaminated with site-related chemicals. After some site related compounds were detected in soil gas near the home closest to the source area, NYSDOH collected indoor air samples in the residence. Suffolk County Health Department collected air samples in residences in the area of groundwater contamination. Volatile organic compounds were detected in the homes at levels that do not represent public health concerns.

SYL00115429



Site Location Map

152108 Liberty Industrial Finishing Products

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115430

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Liberty Industrial Finishing Products			Site Code: 152108
Class Code: 2	Region: 1	County: Suffolk	EPA Id: NYD013563390
Address: 550 Suffolk Avenue / Brentwood, NY 11551			
Latitude: 40° 46' 40"		Longitude: 73° 15' 14"	
Site Type: Structure		Estimated Size: 3.9 Acres	

Site Owner / Operator Information:	
Current Owner(s) Name:	Liberty Industrial Finishing Products
Current Owner(s) Address:	550 Suffolk Avenue / Brentwood, NY 11551
Owner(s) during disposal:	Liberty Industrial Finishing Products
Operator(s) during disposal:	Liberty Industrial Finishing Products
Stated Operator(s) Address:	550 Suffolk Avenue / Brentwood, NY 11551
Hazardous Waste Disposal Period: From: 1978 To: 1997	

Site Description:

Liberty Industrial was a metal finishing facility engaged in the finishing and plating of parts and components used primarily in the aircraft industry. Metal finishing activities included passivation, phosphatizing, electroplating, conversion coating, anodizing, painting and non-destructive testing. An inspection in 1983 discovered potential leaks in two of the underground tanks containing cyanide and other compounds. Unauthorized discharges into cesspools and directly into the ground occurred in 1984. These wastewater discharges were contaminated with manganese phosphate, zinc phosphate, chromic acid and other compounds. A public water supply well field is located 220 feet downgradient from this site. A PRP funded FRI/IRM Consent Order to study and remediate the underground storage tank area and adjacent industrial leaching pool had been signed, however, the facility closed prior to completing the FRI/IRM. The DEC completed a State-funded RI/FS at this site. The 1999 RI Report confirmed contamination in the surface and subsurface soil, storm-water drywell/leaching pool, sediment and groundwater. The contaminated groundwater plume extends approximately 150 feet from the site in a southeastward direction with chromium as the primary site-related contaminant. The EPA completed an IRM between August 1998 and January 1999 and removed waste materials from the interior of the industrial building and capped six underground storage tanks. The Town of Islip also excavated contaminated surface soil at the Town of Islip Athletic Field and the Brentwood Water District property under an IRM. The DEC issued a Record of Decision in March 1999 that called for the removal of contaminated sediment from four drywells and one leaching pool; the excavation of contaminated soil; and the construction of an asphalt cap above the on-site underground storage tanks as the selected remedy. All of the remedial work specified in the Record of Decision was completed on September 18, 2001.

Confirmed Hazardous Waste Disposal:

1,1,1-Trichloroethane ((TCA) (FOO1))
Cadmium (D006)
Chromium (D007)
Spent cyanide plating bath solutions and
sludges (F007, F008).

Quantity:

unknown
unknown
unknown
unknown

Analytical Data Available for:	Groundwater	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater		
Geotechnical Information:		Depth to	
Soil/Rock Type: Sand and gravel.		Groundwater: Range: 45 to 50 feet.	

Legal Action: Type:	Status:
Remedial Action: Complete	Nature of action: Soil & sediment removal + asphalt cap.

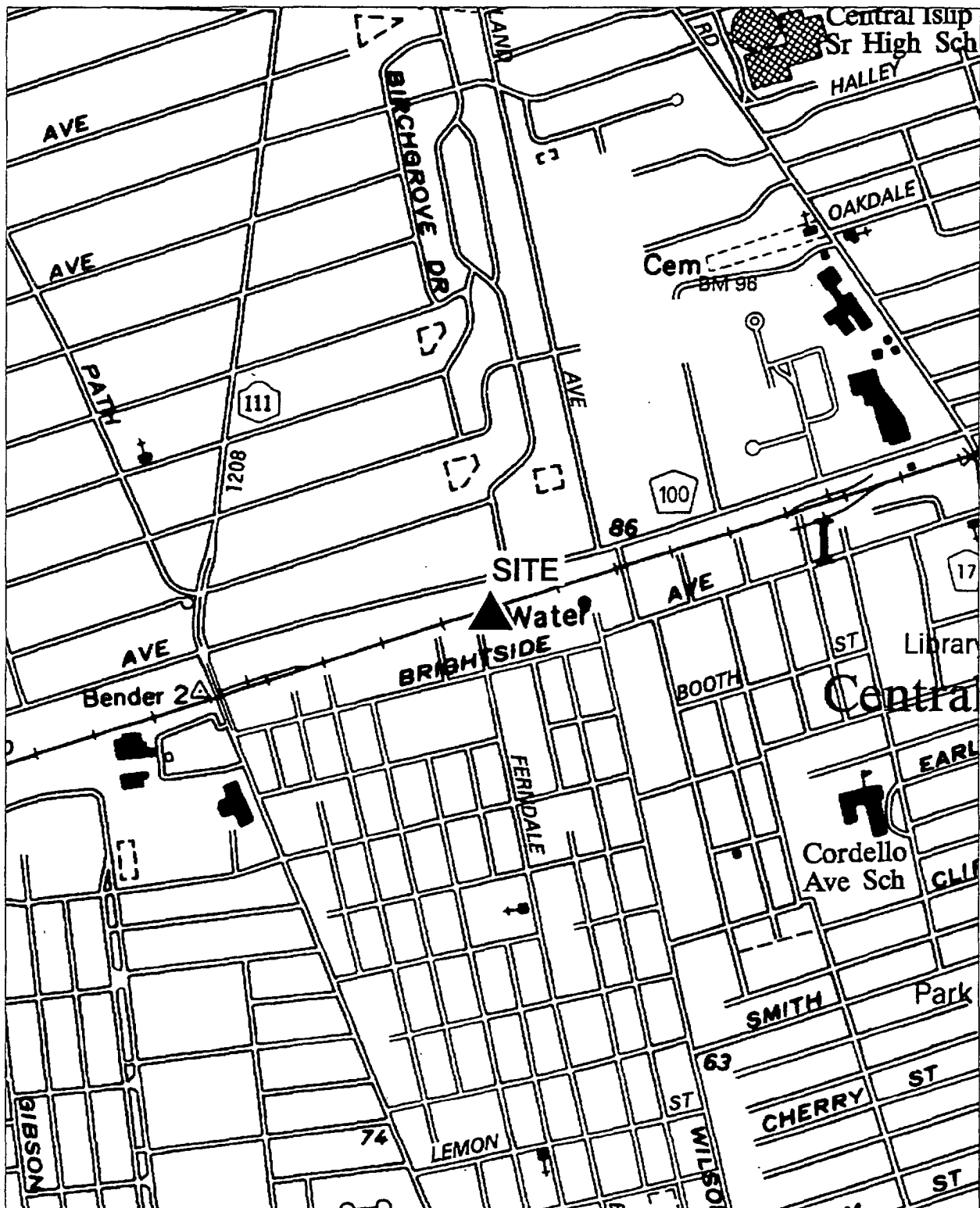
Assessment of Environmental Problems:

Hazardous waste disposal due to leakage from an underground tank, discharges into subsurface leaching pools, and discharges to surface soils have resulted in groundwater contamination by cadmium, chromium, and other metals. Both on-site and off-site monitoring wells have detected cadmium and chromium at levels above NYS groundwater standards.

Assessment of Health Problems:

On-site and off-site groundwater is contaminated with cadmium and chromium from Liberty's operations and activities. The Brentwood public supply well field is south of the site. Sampling has determined that the supply wells are not in the direction of the site-related contaminant plume. Soils containing elevated levels of arsenic were removed from the entrance to the ball field south of the site. The source of the arsenic contamination is unknown.

SYL00115431



Site Location Map

152109 Contract Cosmetics

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115432

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Contract Cosmetics	Site Code: 152109
Class Code: 2a Region: 1 County: Suffolk	EPA Id:
Address: 1599 Ferndale Boulevard / Central Islip, NY 11722	
Latitude: 40° 47' 15" Longitude: 73° 12' 48"	
Site Type: Dump	Estimated Size: 0.33 Acres

Site Owner / Operator Information:	
Current Owner(s) Name: Irwin Thaler	
Current Owner(s) Address: 93 Buttonwood Drive / Dix Hills, NY 11746	
Owner(s) during disposal: Irwin Thaler c/o Corwood Labs	
Operator(s) during disposal: Irwin Thaler c/o Corwood Labs	
Stated Operator(s) Address: 55 Adams Avenue / Hauppauge, NY 11787	
Hazardous Waste Disposal Period: From: unknown To: 02/1984	

Site Description:

This former cosmetics manufacturing facility burned to the ground in December of 1983. Significant quantities of waste solvents remained on-site after the initial clean-up. Soil sampling done in 1984 revealed the presence of benzene, toluene, methyl ethyl ketone (2-butanone), xylene, acetone, and pentane. In 1985, a second round of sampling supported the earlier findings. Public water supply wells are tested routinely for organics and metals. To date, no contamination has been attributed to this, including any water supply wells. An EPA site investigation has been completed. In 1989, the removal of liquids, solids, sludge and other debris was conducted by the potentially responsible party (PRP). A Phase II Investigation was completed in 1988. A Preliminary Site Assessment (PSA) was completed in the fall of 2000.

Confirmed Hazardous Waste Disposal:

Benzene
Toluene
Methyl ethyl ketone ((MEK) a.k.a. 2-Butanone)
o-Xylene
Acetone
Pentane

Quantity:

unknown
unknown
unknown
unknown
unknown
unknown

Analytical Data Available for: Soil	
Applicable Standards Exceeded in:	
Geotechnical Information:	Depth to
Soil/Rock Type: Sand and gravel.	Groundwater: Range: 20 to 25 feet.

Legal Action: Type:	Status:
Remedial Action:	Nature of action:

Assessment of Environmental Problems:

Run-off of waste has flowed into storm drains adjacent to site.

Assessment of Health Problems:

Public drinking water supply serves all residents in the area. Low levels of contamination were found in one private well and public water was extended to the affected home. The preliminary site assessment concluded that there were no further potential routes of exposure on the site. The site is in the process of being delisted.

SYL00115433

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Hazardous Waste Disposal			Site Code: 152113
Class Code: 2	Region: 1	County: Suffolk	EPA Id: NYD037056132
Address: 11-A Picone Boulevard / Farmingdale, NY 11735			
Latitude: 40° 44' 38"		Longitude: 73° 25' 3"	
Site Type: Dump		Estimated Size: 0.5 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Little Joseph Realty
Current Owner(s) Address: 1637 Broad Hollow Road / Farmingdale, NY 11735
Owner(s) during disposal: George Lawrence
Operator(s) during disposal: George Lawrence
Stated Operator(s) Address: 1 Shore Road / Glenwood Landing, NY 11547
Hazardous Waste Disposal Period: From: 1979 To: 1982

Site Description:

This site is currently a paved and fenced-in lot in a small industrial park. It was used to store, treat and dispose of hazardous waste during its years of operation. The New York State Department of Environmental Conservation (NYSDEC) determined in 1981 that the site was operating illegally without a Part 360 permit. During a 1981 EPA inspection, 1,900 55-gallon drums of spent solvents and a 7,500-gallon acid tank were observed at the site. 840 55-gallon drums containing waste and 420 empty drums were observed by a Suffolk County Department of Health Services (SCDHS) inspector in 1982. Spills were noted in the drum area. A Phase I Investigation and a Phase II Investigation have been completed. The Investigations revealed that the hazardous wastes, which were documented as having been stored on site, were also detected in the groundwater at levels exceeding groundwater standards. The aquifer beneath the site is the sole source aquifer on Long Island. The NYSDEC negotiated a Remedial Investigation/Feasibility Study (RI/FS) Consent Order with over 30 PRPs effective October 1, 1999. The RI field work began in November 1999 and a RI report was received in April 2000. The RI found relatively low levels of volatile organic compounds, such as PCE, in the soil and groundwater on site. Additional RI sampling was conducted in February 2001 to define a soil hot spot area, and a revised RI report was submitted in July 2001. The RI report is being finalized.

Confirmed Hazardous Waste Disposal:

Paint lacquer
 Ink thinners
 Chlorinated and non-chlorinated solvents

Quantity:

unknown
 unknown
 unknown

Analytical Data Available for:	Groundwater	Surface Water
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:	Surface Water	
Soil/Rock Type: Sand and gravel.	Depth to Groundwater: Range: 5 to 20 feet.	
Legal Action: Type: State Consent Order	Status: Order Signed	
Remedial Action:	Nature of action:	

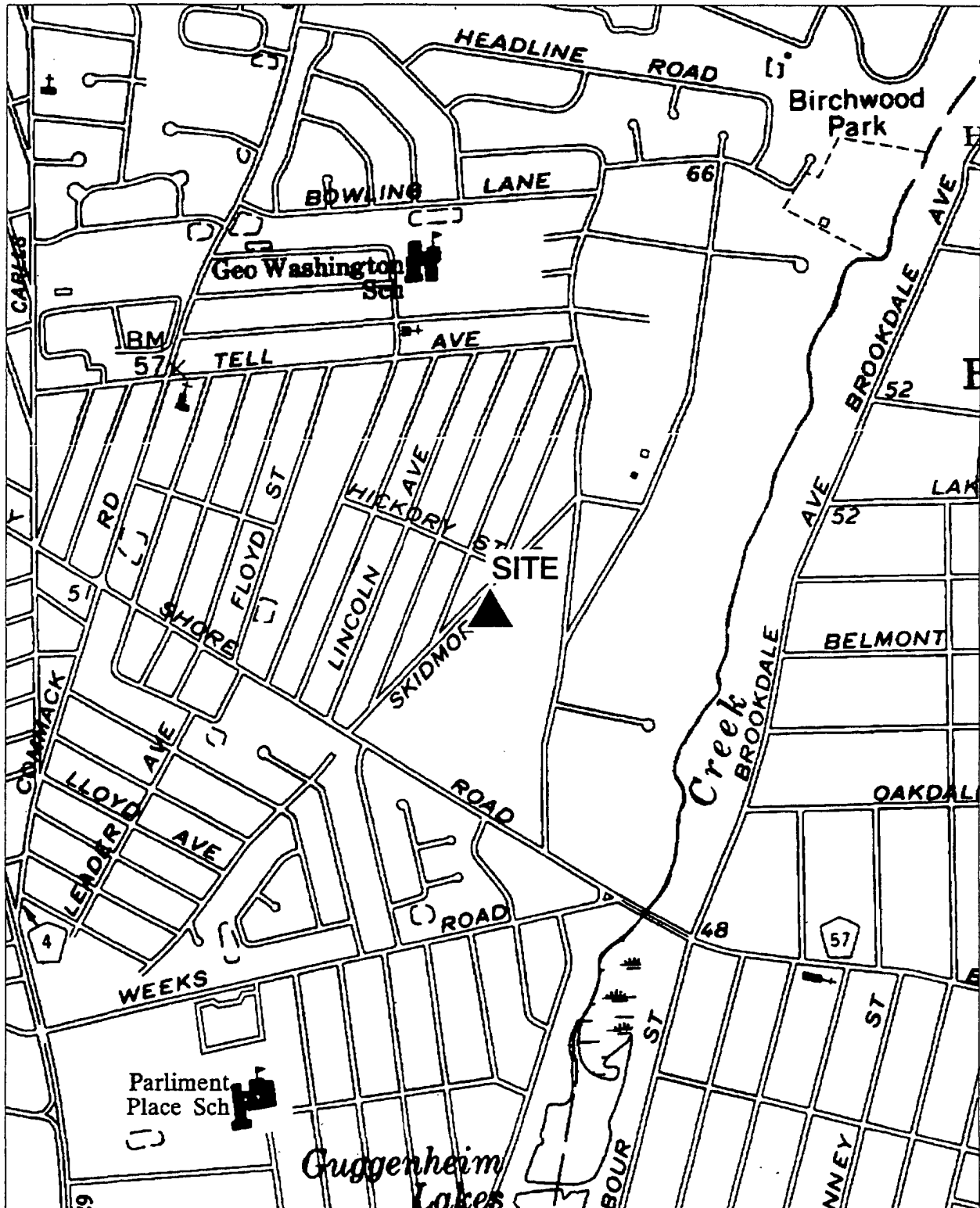
Assessment of Environmental Problems:

Hazardous waste disposal has contaminated groundwater at levels above groundwater standards. A recharge basin is northeast of the site. The aquifer beneath the site is the sole source aquifer on Long Island.

Assessment of Health Problems:

Improper storage, processing, and disposal of hazardous waste materials at this site resulted in the contamination of groundwater and soil. Materials associated with site operations were removed when the facility closed in 1984. The remedial investigation showed the presence of volatile organic compounds in the area of a former sludge pit and in the groundwater. Further investigation is planned to delineate the extent of contaminated soil. Since the site is currently paved and nearby homes and businesses are connected to public drinking water, exposure to site related contaminants in soil and ground water are not expected.

SYL00115435



Site Location Map

152115 CTI Metal Finishing (T&S Metals)

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115436

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: CTI Metal Finishing (T&S Metals)			Site Code: 152115
Class Code: 2a	Region: 1	County: Suffolk	EPA Id: NYD982531147
Address: 333 A & B Skidmore Road / Deer Park, NY 11729			
Latitude: 40° 44' 49" Longitude: 73° 18' 36"			
Site Type: Structure		Estimated Size: 0.35 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Norman and Arlene Budofsky
Current Owner(s) Address: 52 Neil Drive / Smithtown, NY 11787
Owner(s) during disposal: Norman and Arlene Budofsky
Operator(s) during disposal: *** Multiple Site Operators ***
Stated Operator(s) Address:
Hazardous Waste Disposal Period: From: 1977 To: 12/1987

Site Description:

This is a small site consisting of a 5,800 sq. ft. concrete block building which is divided into three tenant spaces. CTI Metals, a small electroplating operation, occupied the central tenant space from 1979 to 1987. The property around the building is almost entirely paved. There are several onsite storm drains. The sanitary wastes are discharged to an onsite septic system. Various inspections and testing determined that metal and acid wastes were discharged by CTI to the onsite storm drains and/or sanitary systems. In 1983 and 1987 the storm drains and septic system were pumped out. An inspection by the SCDHS in 1987 found the business no longer occupied the space, there were leaking drums and stained concrete floors and walls. In 1995 samples were collected by geoprobe and found chromium, cadmium and mercury contamination in the groundwater. Cadmium, chromium, PCB (8ppm), and PCE (45 ppb) were found in the sludge of drywell # 1. In order to make a determination on the metals levels in the geoprobe groundwater samples, three monitoring wells were installed in 2000. Hazardous wastes were not found to be impacting the groundwater. The wastes have been removed from the site. The level of the threat posed by the wastes has been diminished.

Confirmed Hazardous Waste Disposal:

Sulfuric acid plating baths containing cadmium, chromium, zinc, iron. Sodium hydroxide waste
nitric acid plating baths

Quantity:

unknown

Analytical Data Available for:

Applicable Standards Exceeded in:

Geotechnical Information:

Soil/Rock Type: Sand and gravel.

Depth to

Groundwater: Range: 15 to 20 feet.

Legal Action: Type:

Status:

Remedial Action:

Nature of action:

Assessment of Environmental Problems:

Assessment of Health Problems:

Samples taken from the on-site drywell and cesspool showed levels of total chromium, iron, zinc, lead, and cadmium above the maximum allowed by groundwater effluent standards. The contamination is at depth and as such does not present an exposure concern. In 1995, chromium, cadmium, lead, mercury, iron and manganese were found in on-site groundwater above standards for public drinking water supplies. A subsequent Preliminary Site Assessment did not detect any contamination in groundwater off-site. The closest downgradient public drinking water supply wells are about one mile south of the site. Routine monitoring of these wells continues, and to date, has not detected any contamination. Public water is available to all homes and businesses near the site.

SYL00115437

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: New York Pyrotechnics Product Company			Site Code: 152116
Class Code: 5	Region: 1	County: Suffolk	EPA Id:
Address: Maple Avenue / Bellport, NY 11713			
Latitude: 40° 46' 10"		Longitude: 72° 56' 35"	
Site Type: Dump		Estimated Size: 10 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **Felix Grucci and Family**
Current Owner(s) Address: **Maple Avenue / Bellport, NY 11713**
Owner(s) during disposal: **Felix Grucci and Family**
Operator(s) during disposal: **Felix Grucci and Family**
Stated Operator(s) Address: **Maple Avenue / Bellport, NY 11713**
Hazardous Waste Disposal Period: **From: 1926 To: 1983**

Site Description:

This site is a large fireworks manufacturing plant. In 1983, there was an explosion and a fire at the plant site. Large quantities of heavy metal and arsenic waste were scattered about the site. These wastes were cleaned up under a State Superfund contract. Approximately 30 to 40 cubic yards of contaminated soil and 20 drums of waste were excavated and removed from the site. A Phase I Investigation was completed in September of 1989. In August of 1990, seven soil samples were taken and analyzed for EP Toxicity (metals) and also for total metals. Analytical data revealed very low concentrations of arsenic at 0.01 ppm, barium at 0.2 ppm, cadmium at 0.005 ppm, chromium at 0.01 ppm, lead at 0.05 ppm, mercury at 0.0002 ppm and selenium at 0.005 ppm. The residual cleanup levels on site are under the NYS standards and guidance values.

Confirmed Hazardous Waste Disposal:

Arsenic
Barium
Cadmium
Chromium
Lead
Mercury
Selenium

Quantity:

unknown
unknown
unknown
unknown
unknown
unknown
unknown

Analytical Data Available for: Soil	
Applicable Standards Exceeded in:	
Geotechnical Information:	Depth to
Soil/Rock Type: Sand-rich loam.	Groundwater: Range: 25 to 30 feet.
Legal Action: Type:	
Remedial Action: Complete	Status:
Nature of action: Contaminated soil removal.	

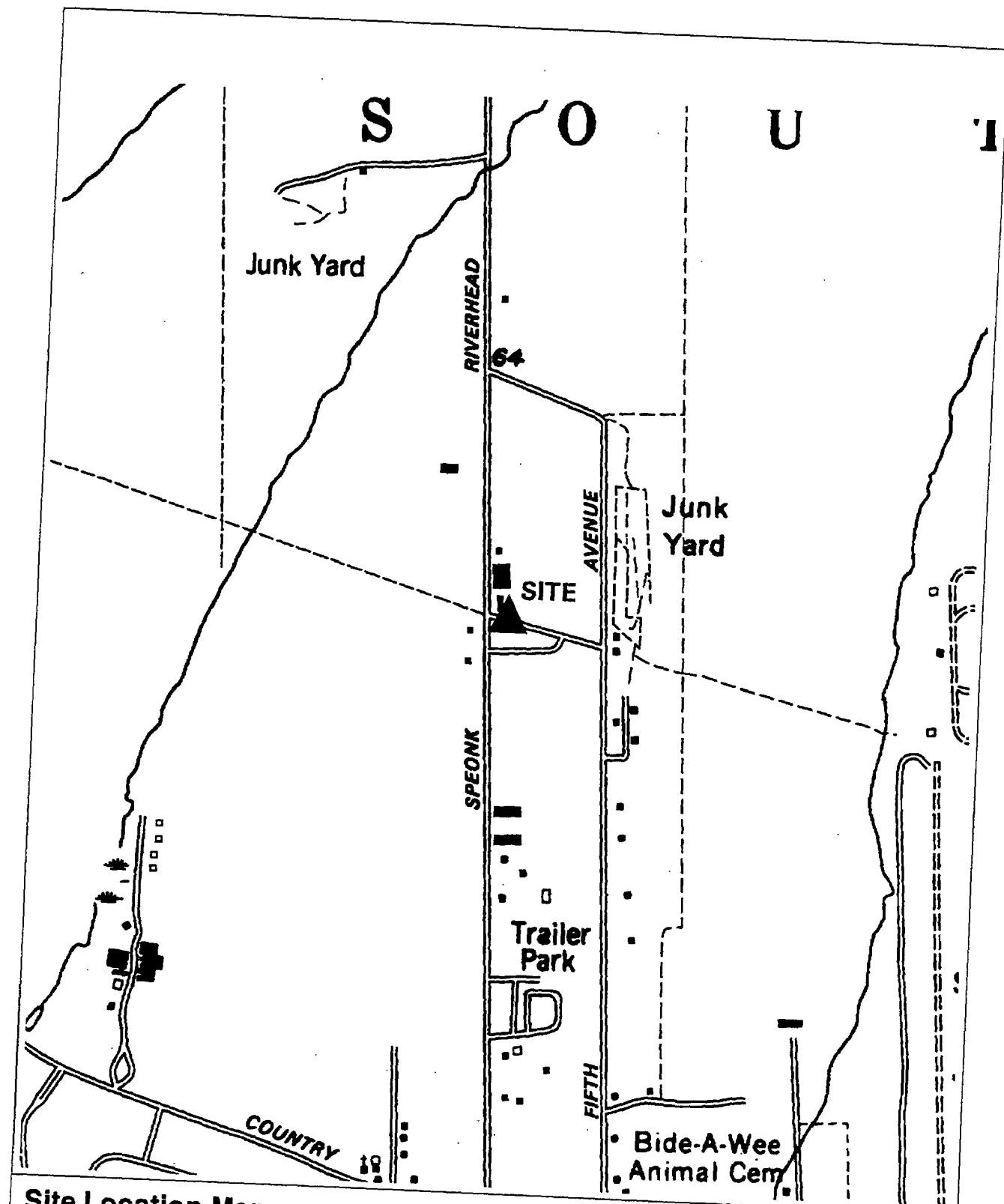
Assessment of Environmental Problems:

This site no longer poses any health or environmental threat.

Assessment of Health Problems:

An explosion at the New York Pyrotechnics Products Company Inc. scattered chemicals throughout the site. Many of the components used in the manufacture of fireworks contain metals including arsenic, lead and barium. Approximately 30 cubic yards of contaminated soil were removed from the site under the supervision of the Suffolk County Department of Health Services (SCDHS), thus eliminating the potential for exposure to contaminants in surface soil. Private wells near the site were sampled by the SCDHS on several occasions. Site-related contamination has never been detected in the private wells.

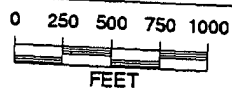
SYL00115439



Site Location Map

152123 BB&S Treated Lumber Corporation

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000

April 1, 2002



County: Suffolk

SYL00115440

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: BB&S Treated Lumber Corporation	Site Code: 152123
Class Code: 2 Region: 1 County: Suffolk	EPA Id: NYD986869162
Address: Speonk-Riverhead Road / Speonk, NY 11972	
Latitude: 40° 50' 22" Longitude: 72° 41' 45"	
Site Type: Structure	Estimated Size: 10 Acres

Site Owner / Operator Information:

Current Owner(s) Name: *** Multiple Site Owners ***
Current Owner(s) Address:
Owner(s) during disposal: *** Multiple Site Owners ***
Operator(s) during disposal: George Wieser
Stated Operator(s) Address: Speonk-Riverhead Road / Speonk, NY 11972
Hazardous Waste Disposal Period: From: 1979 To: 1996

Site Description:

This site is a former lumber preservative operation, which had been in operation for over 12 years. The site contains a frame building where lumber was pressure treated with a chromate copper arsenate (CCA) preservative. Within the building are concrete sumps which collected excess preservative from the treatment area. There is also a drip area within the building where treated lumber was stacked and allowed to dry. There are numerous monitoring wells on-site. The discharges of the CCA to the sumps and drip area have contaminated the groundwater in excess of drinking water standards for arsenic (D004 Waste) and chromium (D007 Waste). A State Superfund RI/FS was completed in February 2000. A Record of Decision calling for solidification /stabilization of contaminated soils and pumping/treating the groundwater, was signed in February 2000. The design is underway; sentinel wells have been installed and sampled.

Confirmed Hazardous Waste Disposal:

Arsenic (D004 Waste)
Chromium (D007 Waste)

Quantity:

unknown
unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:		Depth to
Soil/Rock Type: Glacial outwash.		Groundwater: Range: 15 to 20 feet.

Legal Action: Type:	Status:
Remedial Action: In Design	Nature of action: Solidification/stabilization of soils.

Assessment of Environmental Problems:

Past disposal practices at this facility led to contamination of the groundwater beneath the site contravening drinking water standards. The soil is contaminated on and off site above TAGM 4046 recommended cleanup values.

Assessment of Health Problems:

The Suffolk County Department of Health Services (SCDHS) has advised the facility owner not to use the on-site plant production well for potable water due to high arsenic and chromium concentrations. A separate on-site drinking water well tested by the SCDHS on four occasions between 1987 and 1997 has been free of contamination. In general, area drinking water is obtained from individual private wells. Periodic monitoring continues for other nearby wells. One off-site private well for a business is contaminated with chromium from the site; the facility uses alternate water for drinking. Pending remedial activities will address soil and groundwater contamination.

SYL00115441

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Glaro, Inc.	Site Code: 152124
Class Code: 2 Region: 1 County: Suffolk	EPA Id: NYD002048627
Address: 735 Old Willets Path / Hauppauge, NY 11788	
Latitude: 40° 48' 30" Longitude: 73° 13' 44"	
Site Type: Structure	Estimated Size: 3.3 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Harry Glass
Current Owner(s) Address: 735 Old Willets Path / Hauppauge, NY 11788
Owner(s) during disposal: Harry Glass
Operator(s) during disposal: Robert Betensky
Stated Operator(s) Address: 735 Old Willets Path / Hauppauge, NY 11788
Hazardous Waste Disposal Period: From: 1974 To: early 1985

Site Description:

This is an active industrial facility. Known discharges of tetrachloroethylene waste have gone into drywells and onto the surface of the ground with estimates of approximately 20 gallons per day. The Division of Environmental Enforcement negotiated a Consent Order to investigate the site, and it was signed on March 31, 1995. The draft Remedial Investigation/Feasibility Study (RI/FS) work plan was received September 27, 1995 and was approved. The Quality Assurance Project Plan (QAPP) and Citizen Participation Plan was completed in May 1996, and field work began in June 1996 and was completed in July 1996. A remedy of air sparging/soil vapor extraction was selected in the March 1997 ROD for the limited soil contamination in the source area and the high concentrations of contaminants in the groundwater. The remedy was completed and began operation in November 1998. Contaminant levels in on-site groundwater are now below the SCGs. The SVE system continues to remove a moderate amount of VOCs from the on-site soil.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene and other solvents

Quantity:

approximately 271 tons

Analytical Data Available for: Groundwater	
Applicable Standards Exceeded in: Groundwater	
Geotechnical Information:	Depth to
Soil/Rock Type: Sand.	Groundwater: Range: 125 to 130 feet.
Legal Action: Type: State Consent Order -RI/FS	Status: Order Signed
Remedial Action: In Progress	Nature of action: Air sparging & soil vapor extraction.

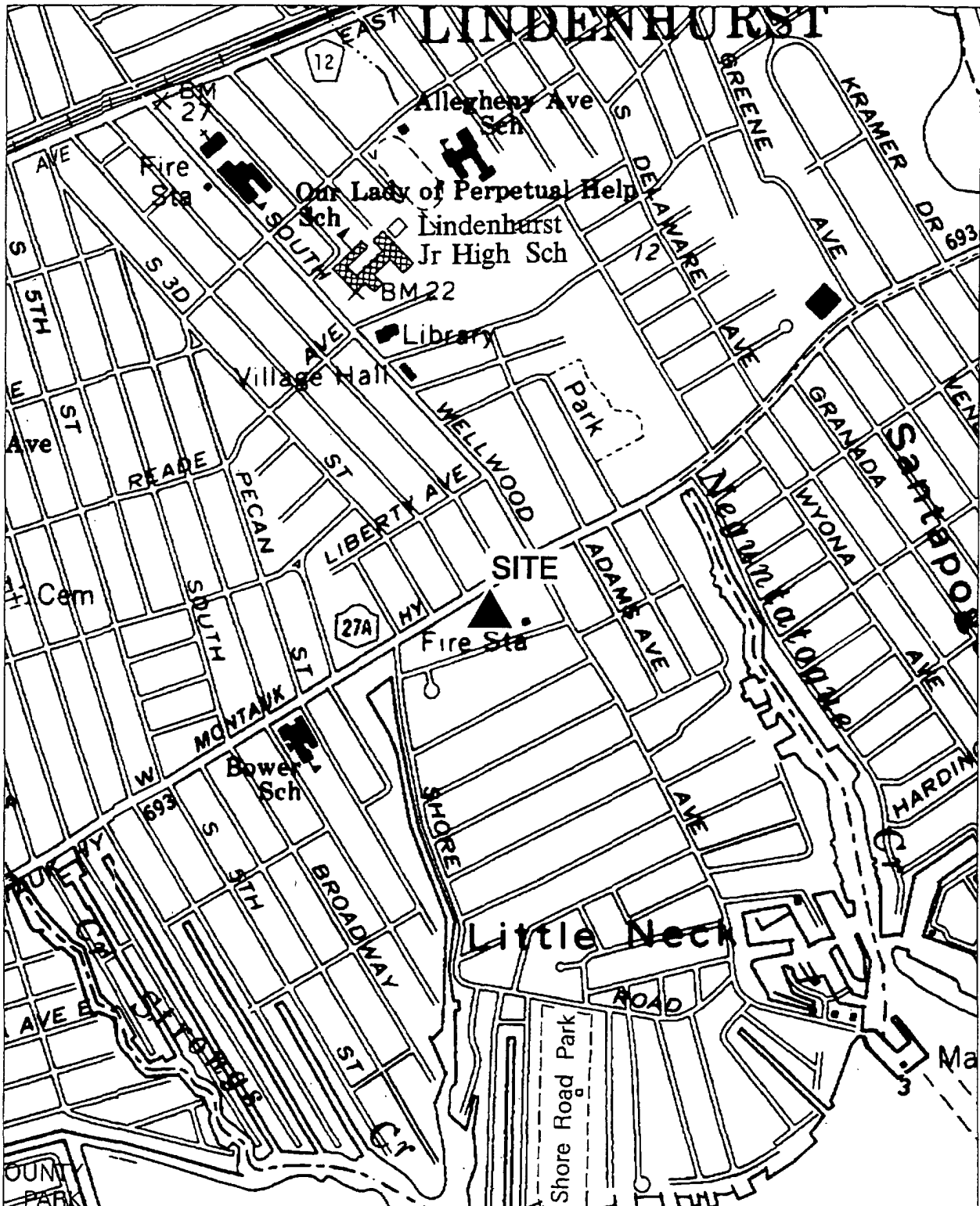
Assessment of Environmental Problems:

The remedial system has reduced the contaminant levels in the on-site groundwater to concentrations below the SCGs.

Assessment of Health Problems:

Solvents (volatile organic compounds) were discharged to on-site drywells, contaminating the soil beneath them. The majority of the site is paved and contamination is at depth, so exposures to site-related contaminants are not expected. Groundwater on-site is contaminated with several volatile organic compounds. The area is served by public water, so exposures to contaminated groundwater are not expected. Four public drinking water supply well fields are within 8,100 feet of the site. Three wells are treated because of contamination with volatile organic compounds. The source of the contamination is not known. A remediation system was installed at the site and is currently in operation to address soil and groundwater contamination.

SYL00115443



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Active Industrial Uniform			Site Code: 152125
Class Code: 2	Region: 1	County: Suffolk	EPA Id: NYD048633614
Address: 63 West Merrick Road / Lindenhurst, NY 11757			
Latitude: 40° 40' 39"		Longitude: 73° 21' 55"	
Site Type: Structure		Estimated Size: 1 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **American Linen Supply**
 Current Owner(s) Address: **South Ninth Street / Minneapolis, MN 55402**
 Owner(s) during disposal: **American Linen Supply**
 Operator(s) during disposal: **American Linen Supply**
 Stated Operator(s) Address: **63 West Merrick Road / Lindenhurst, NY 11757**
 Hazardous Waste Disposal Period: **From: 1975 To: 1987**

Site Description:

This facility operated as a dry cleaner and laundry. Dry cleaning ceased in 1987. The history of this site shows that there were two dry cleaning solvent storage areas: an underground solvent storage tank located on the northwest corner of the property that was removed in 1985, and two above ground solvent storage tanks that were located on a concrete pad near the southwest corner of the property and were removed in October of 1987. A site assessment revealed two areas of tetrachloroethylene (PCE or "perc") soil and groundwater contamination. Water samples from monitoring wells show elevated levels of 1,1,1- trichloroethane at 5300 ppb, 1,1- dichloroethane at 9700 ppb, tetrachloroethene at 18,000 ppb and trichloroethene at 3600 ppb. All of these solvents were also found in the contaminated soil. The PRP agreed to perform Interim Remedial Measures (IRMs). The IRM for soil venting and cleaning ended in December 1997. Field work for a Remedial Investigation/Feasibility Study (RI/FS) was completed in January of 1994. The RI report was completed in December of 1994. The FS Report was approved in January 1997. A Record of Decision (ROD) was signed in 1997. A Consent Order was signed by the Potentially Responsible Parties (PRPs) to pay the Department of Environmental Conservation (DEC) \$2,115,000 to implement the remedy selected in the ROD. The remedy was modified and removed the SVE system and sparging system. The groundwater pump and treat system is complete and began operating in December 2001. Construction in the fall of 2000 removed 590 cubic yards of contaminated soils.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene {(PCE or "perc.")(FOO1)}
 Trichloroethylene (TCE)
 1,1-Dichloroethylene
 1,1,1-Trichloroethane (TCA)
 1,1-Dichloroethane
 Methylene chloride

Quantity:

unknown
 unknown
 unknown
 Approx. 600 cubic yards
 of contaminated soil

Analytical Data Available for:	Groundwater	Surface Water	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water	
Geotechnical Information:			Depth to
Soil/Rock Type: Sand.			Groundwater: Range: 5 to 10 feet.
Legal Action: Type: State Consent Order -RI/FS		Status: Order Signed	
Remedial Action: In Progress		Nature of action: Groundwater pump & treat system.	

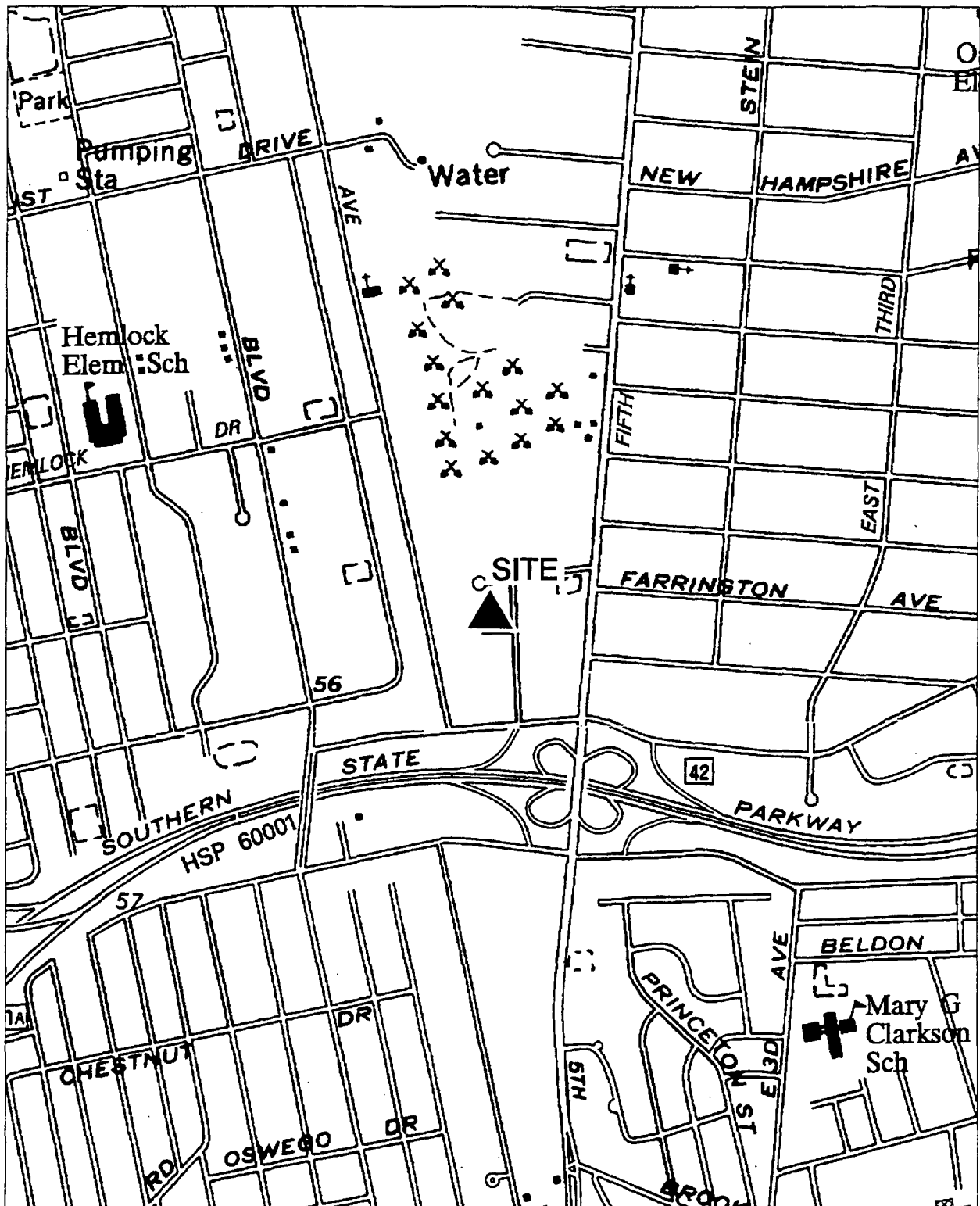
Assessment of Environmental Problems:

There is groundwater contamination at this site. The soil contamination was removed in the winter of 2000-2001. There is a potential for contamination of fish and shellfish.

Assessment of Health Problems:

Contaminated groundwater and soil gas have migrated to residential areas. No public drinking water supply wells exist downgradient of the site. Public water has served the area since the 1950's. A residential information survey found one well used for irrigation, but this use has been discontinued due to contamination detected. Some downgradient residences contain basements that flood intermittently. A few basements contain living space (i.e., bedroom, family room, exercise room). A soil gas study in the residential area found only low vapor levels. Indoor air testing at five nearby homes in 1994, 1995 and 1996 detected site-related vapors at concentrations below levels of health concern. Remedial measures, once completed, should serve to control the off-site migration of contamination. Fencing separates the site from neighboring residences.

SYL00115445



Site Location Map

152129 Rite Off, Inc.

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000

April 1, 2002



County: Suffolk

SYL00115446

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Rite Off, Inc.		Site Code: 152129	
Class Code: 4	Region: 1	County: Suffolk	EPA Id: NYD000726786
Address: 1545 5th Industrial Court / Bay Shore, NY 11706			
Latitude: 40° 45' 8"		Longitude: 73° 15' 55"	
Site Type: Structure		Estimated Size: 2 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Howard Rapps
Current Owner(s) Address: 1545 5th Industrial Court / Bay Shore, NY 11706
Owner(s) during disposal: Howard Rapps
Operator(s) during disposal: Howard Rapps
Stated Operator(s) Address: 1545 5th Industrial Court / Bay Shore, NY 11706
Hazardous Waste Disposal Period: From: unknown To: unknown

Site Description:

This site is an industrial facility that is located in a heavily industrialized area downgradient from several inactive hazardous waste sites. Rite Off, Inc. blends and packages spray lubricants, solvents, and insecticides for the retail market. The company paid a fine for the illegal on-site disposal of hazardous wastes, and has signed a Consent Order with the DEC to conduct a field investigation at the site. This investigation report was prepared by the owner's consultant and was received in August of 1989. The PRP field investigation shows substantial contamination by various solvents in the groundwater. The following contaminants have been noted: 1,1,1-trichloroethane at 4200 ppb, trichloroethylene at 590 ppb, tetrachloroethylene at 1900 ppb and 1,1-dichloroethene at 320 ppb. On November 5, 1993 a new Consent Order was signed with the DEC. This order requires a Remedial Investigation/Feasibility Study (RI/FS), which the consultant has furnished and received approval for in March of 1997. A Remedial Investigation report and an Off-Site Groundwater Investigation have been accepted by the Department. These indicated that the Interim Remedial Measure (IRM) to remove the storm drain sediments has removed the remaining soil contamination at the site. On March 7, 1996 another Consent Order for the Remedial Design was signed with the DEC. A Record of Decision was issued for a soil vapor extraction/air sparging (SVE/AS) system to treat the groundwater contamination. The remedial design was completed in December 1996. The construction of the SVE/AS system was completed in January 1997, and was operating until October 15, 1998 when permission was given to shut down the system. Post shut-down monitoring has detected residual contamination slightly above the NYS Part 703 GA Standards in one well and will be evaluated further. Analytical data also demonstrates that further operation of the remedial system is no longer beneficial. Based on this information permission was given on October 13, 2000 to dismantle the existing air sparging/soil vapor extraction system.

Confirmed Hazardous Waste Disposal:

1,1,1- Trichloroethane {(TCA) (F001)}
 Trichloroethylene {(TCE) (F001)}
 Tetrachloroethylene {(PCE or "perc." (F001))
 1,1-Dichloroethylene (FOO1)

Quantity:

unknown
 unknown
 unknown
 unknown

Analytical Data Available for:	Groundwater	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater	Drinking Water	
Geotechnical Information:			Depth to
Soil/Rock Type: Sand.			Groundwater: Range: 35 to 40 feet.
Legal Action: Type: State Consent Order -RD/RA		Status: Order Signed	
Remedial Action: Complete		Nature of action: Air sparging & soil vapor extraction.	

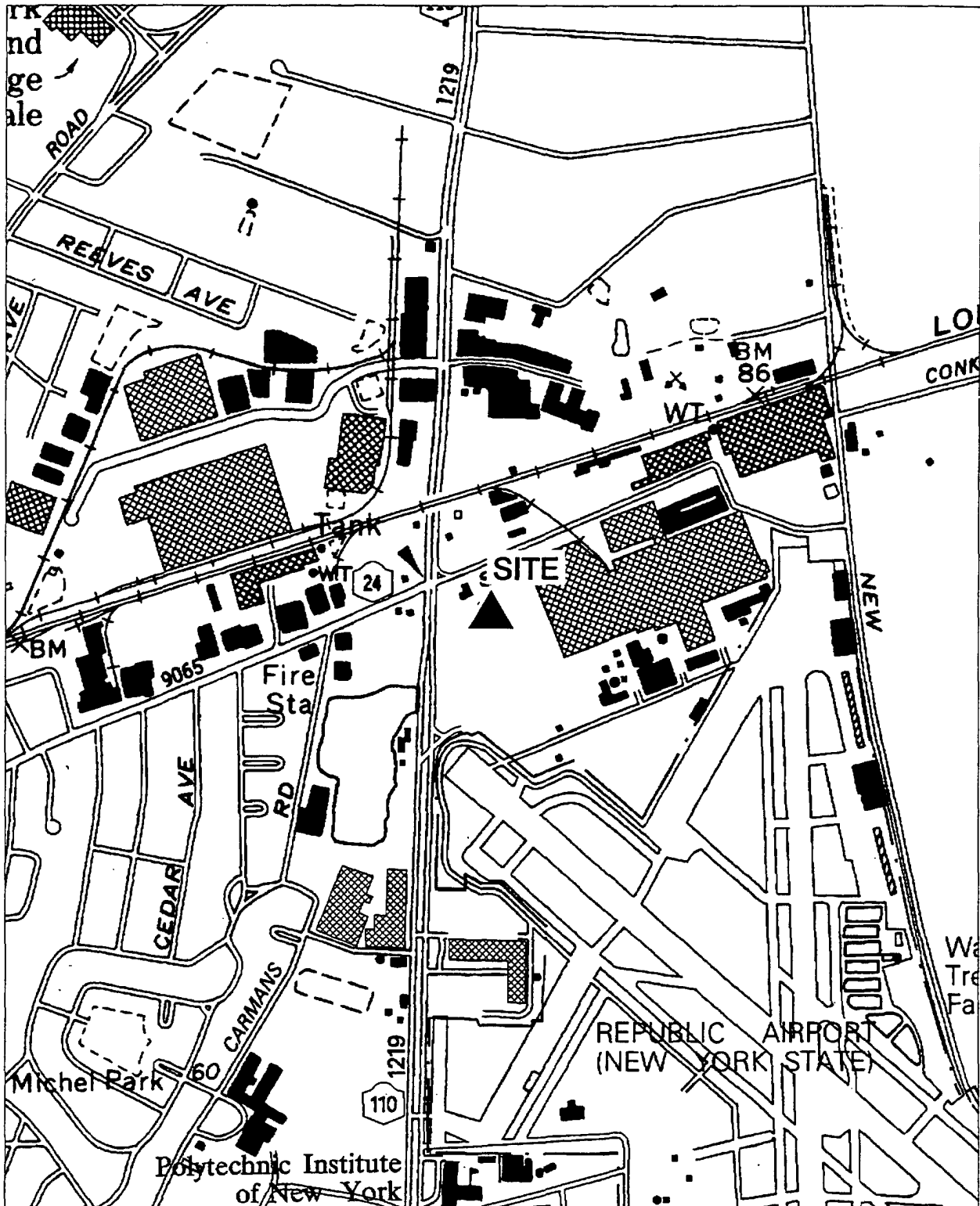
Assessment of Environmental Problems:

Groundwater contamination far above guidelines has occurred at this site. Soil contamination by organic solvents has also been noted. The remediation of this site is complete, and monitoring is currently underway.

Assessment of Health Problems:

Groundwater at the site was contaminated with volatile organic compounds at levels above standards for public drinking water supplies. However, groundwater has been remediated to levels slightly above applicable drinking water standards. The area is served by public water, so exposures to contaminated groundwater are not expected. No private drinking water supply wells are downgradient of the site. The Thomas Street public drinking water supply wellfield, about 4200 feet downgradient of the site, is not contaminated. Routine monitoring of these wells will detect contamination and, if needed, appropriate measures will be taken to prevent the distribution of contaminated drinking water. In addition, the remediation system installed at the site in 1997 has removed contamination from on-site soils, eliminating the potential for exposure.

SYL00115447



Site Location Map

152130 Fairchild Republic Aircraft - Main Plant

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115448

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Fairchild Republic Aircraft - Main Plant			Site Code: 152130
Class Code: 2	Region: 1	County: Suffolk	EPA Id:
Address: Conklin Street / Farmingdale, NY 11735			
Latitude: 40° 44' 17"		Longitude: 73° 25' 18"	
Site Type: Structure		Estimated Size: 0.53 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **Mairoll, Inc.**
 Current Owner(s) Address: **PO Box 10803 / Chantilly, VA 20151**
 Owner(s) during disposal: **Severski Aircraft/Republic Aircraft**
 Operator(s) during disposal: **Fairchild Corporation**
 Stated Operator(s) Address: **PO Box 10803 / Chantilly, VA 20151**
 Hazardous Waste Disposal Period: **From: 1938 To: 1987**

Site Description:

The site consists of buildings, tanks, and storage areas. Fairchild was in the business of manufacturing airplanes. Contamination has occurred from spills and leaks in tanks or pipelines. Monitoring well data has shown violation of groundwater standards for several volatile organics (VOCs); tetrachloroethylene at 7,200 ppb, trichloroethylene at 150 ppb, 1,2-dichloroethene at 13,000 ppb and vinyl chloride at 550 ppb. The Fairchild Corporation signed a Consent Order with the NYSDEC to conduct a RI/FS in March of 1992. The RI/FS delineated VOC contaminated groundwater and the source areas of the plume. The RI/FS has shown that the groundwater flows towards Route 109 and the Southern State Parkway and east towards the St. Charles Cemetery. An Interim Remedial Measure (IRM) consisting of a soil vapor extraction program was performed to remove soil contamination in Building 17. The site's boundaries were modified in 1994 from 12 acres to approximately 4 acres in response to a petition from Fairchild. A ROD was signed in March, 1998. A second IRM to connect private wells downgradient of the site to public water has been implemented. A third IRM to excavate and remove chromium contaminated soils has been completed. The IRMs have removed all soil contamination sources. The ROD calls for pump and treatment (P & T) of contaminated groundwater and a wellhead treatment contingency for downgradient public water supply wells. Since site soils have been remediated, the site boundaries were modified and reduced to include only the 0.53 acre portion of the southeast corner of the original 4 acre parcel. The remedial design has been started by Fairchild. This includes monitoring wells and a pump test well for the P & T remedy. The design calls for a municipal well head treatment contingency, outpost monitoring for the municipal wells, groundwater modeling, P & T of contaminated groundwater above 1 ppm total VOCs, and comprehensive monitoring of the plume attenuation. Field work started in December 2000 for monitoring well installation and was completed with the October 2001 pump test. The 35% design report was received in February, 2002.

Confirmed Hazardous Waste Disposal:

Vinyl Chloride

Tetrachloroethylene (PCE or "perc.") (F001)

1,1-Dichloroethane (U078)

1,2-Dichloroethylene

Quantity:

unknown

unknown

unknown

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:		Depth to
Soil/Rock Type: Sand.		Groundwater: Range: 20 to 25 feet.

Legal Action: Type: State Consent Order -RD/RA	Status: Order Signed
Remedial Action: In Design	Nature of action: Groundwater pump & treat system.

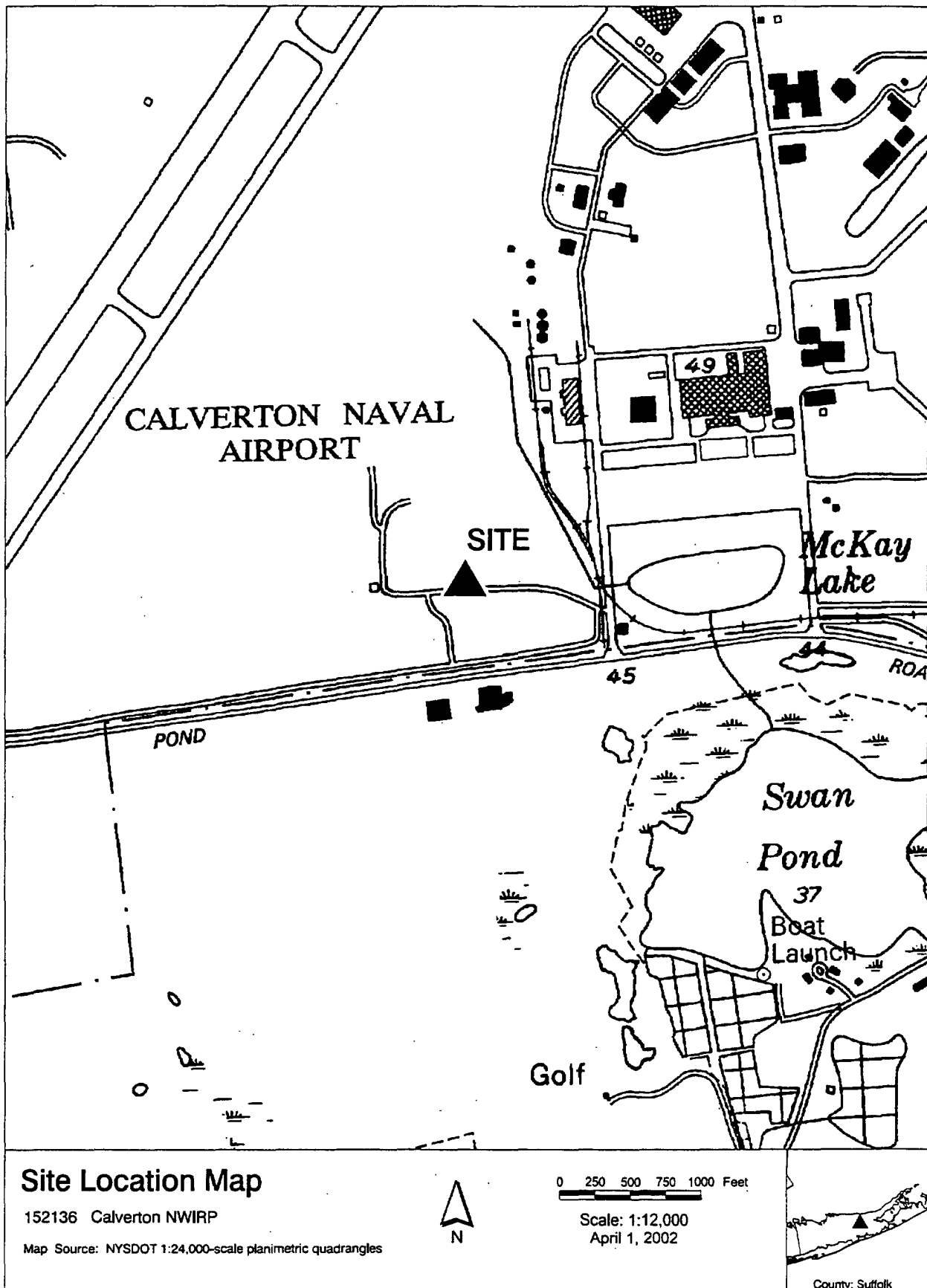
Assessment of Environmental Problems:

Hazardous waste disposal has contaminated groundwater at this site. The contamination is above NYS groundwater standards and guidelines in the area of a sole source aquifer. Remediation of contaminated soils has occurred, and groundwater remediation is under design.

Assessment of Health Problems:

A soil vapor extraction system was implemented as an interim remedial measure to remediate soil contaminated with volatile organic compounds. Soil contaminated with chromium was excavated and placed in the Old Recharge Basin off-site. Exposure to contaminated soil is not expected. Groundwater on the Fairchild Republic property is contaminated with high levels of organic solvents. Although most homes and businesses in the vicinity of the site are supplied with public drinking water, some private wells were identified downgradient from the site during a 1995 private well survey. Contaminants detected in some of these wells may be related to the site. Homes originally serviced by private drinking water supply wells located in or around the area bordered by Route 110 and Great Neck Road, Wellwood Avenue and Sunrise Highway have been connected to public drinking water. Any additional private drinking water supply wells identified will be connected to public drinking water, if necessary.

SYL00115449



SYL00115450

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Calverton NWIRP	Site Code: 152136
Class Code: 2 Region: 1 County: Suffolk	EPA Id:
Address: Swan Pond Road / Riverhead, NY 11901	
Latitude: 40° 54' 26" Longitude: 72° 48' 5"	
Site Type: Dump	Estimated Size: 21 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Naval Air Systems Command - US Navy
Current Owner(s) Address: c/o Grumman Aerospace - Mail Stop B16-30 / Bethpage, NY 11714
Owner(s) during disposal: US Navy - Naval Air Systems Command
Operator(s) during disposal: Grumman Aerospace Corporation
Stated Operator(s) Address: Mail Stop B16-30 / Bethpage, NY 11714
Hazardous Waste Disposal Period: From: 1952 To: 1984

Site Description:

This site consists of the following two areas of concern:

Site No. 2: Fire Rescue Training Area; This 11 acre training area is 2,000 feet west of the main gate and was used for simulating plane crashes. From 1955 to 1984, 450 gallons of waste solvents per year were used in the training exercises. Additional solvents were accidentally spilled along with waste oil in 1982. Four wells were installed following the spill and two were found to contain floating products.

Site No. 6A: Fuel Calibration Area; This jet fuel calibration area is located approximately 2,000 feet west of the south gate to the facility. An open field approximately 10 acres in area is located immediately south of the calibration pad and is included as part of the site which includes a former septic leaching field. Monitoring wells downgradient of the site showed groundwater contamination by chlorinated solvents, including chloroethane at 4500 ppb (MW-5) and 2600 ppb (MW-9), 1,1-dichloroethane at 1700 ppb (MW-5), and 300 ppb (MW-9), and 1,2-dichloroethane at 790 ppb (MW-5). An initial assessment was completed by the Navy in 1986 and a site investigation has been completed. However, this site is within a RCRA facility regulated by the Division of Solid-Hazardous Materials (DSHM). DSHM has the lead on this site and is currently handling it under the RCRA corrective action program. A RCRA Facility Investigation (RFI) has been conducted on the subject areas, and a report was submitted in the spring of 1995. Additional investigative work is required for Sites 2 and 6A as well as these additional areas of concern: Site 7 - Fuel Depot Area, Site 10A - Jet Fuel Systems Lab, Site 10B - Engine Test House, the Southern Area and Site 1 - NE Pond Disposal Area.

Confirmed Hazardous Waste Disposal:

Waste Solvents including the following:

Toluene

1,1,1-Trichloroethane (TCA)

Methyl ethyl ketone ((MEK)(a.k.a. 2-Butanone))

Quantity:

unknown

unknown

unknown

Analytical Data Available for:	Groundwater	Surface Water	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water	
Geotechnical Information:			Depth to
Soil/Rock Type: Sand and gravel.			Groundwater: Range: 5 to 15 feet.

Legal Action: Type:	Status:
Remedial Action:	Nature of action:

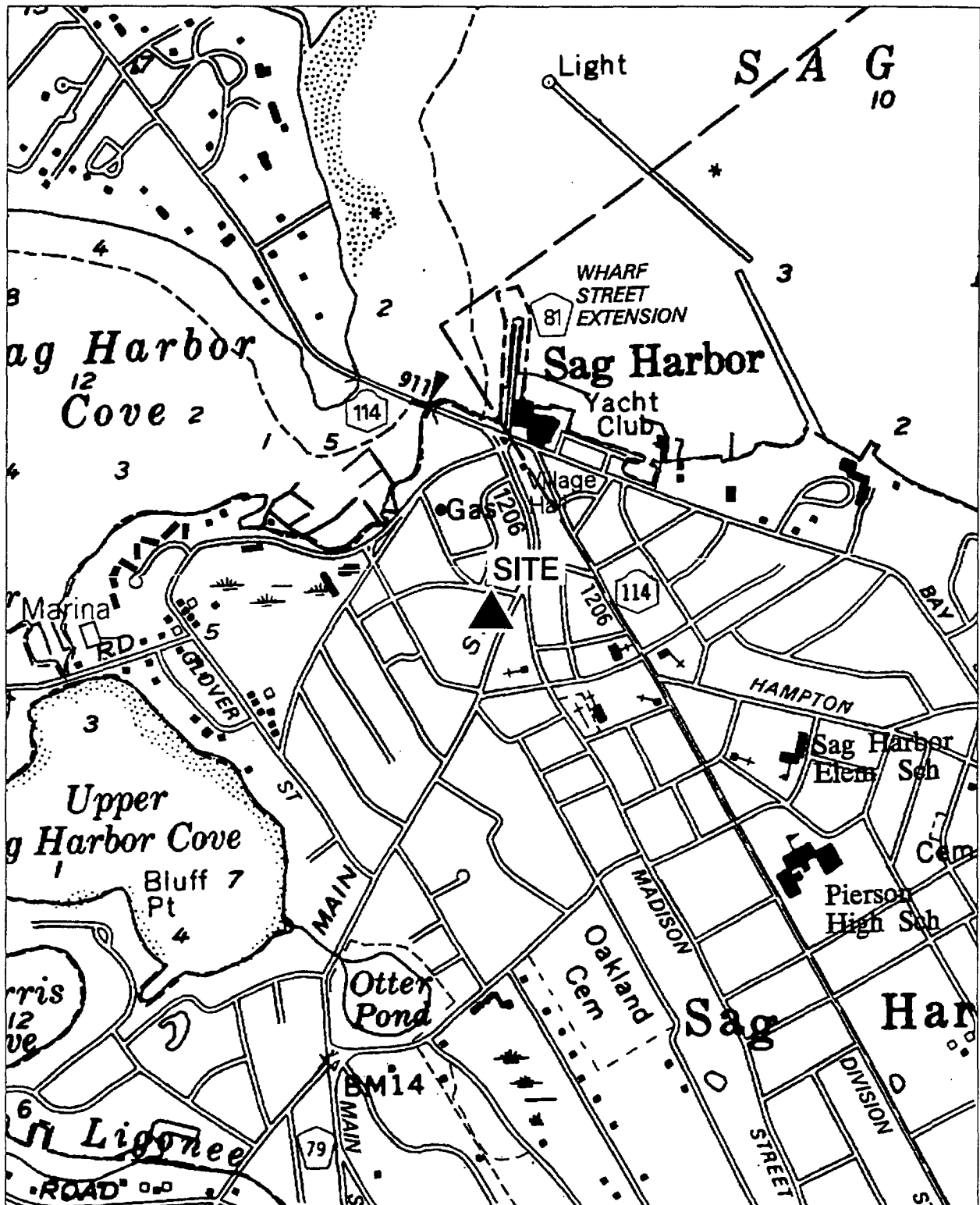
Assessment of Environmental Problems:

Contamination at this site has moved into the sole source aquifer, which is used as a drinking water source.

Assessment of Health Problems:

On-site production wells used for potable water that are contaminated above drinking water standards are currently being treated. No other water supplies are known to be impacted by the site. The site is fenced and there is little potential for trespassing by unauthorized personnel. There is a potential for on-site workers to come into contact with surface soil contamination. This potential exposure route is being further defined and addressed, as necessary, in ongoing facility investigations. Analytical data from close-out investigations will be reviewed prior to delisting or site use changes to evaluate the potential for human exposure to residual contamination.

SYL00115451



Site Location Map

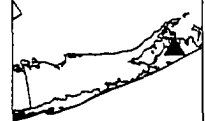
152139 Bulova Watch Factory

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115452

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Bulova Watch Factory			Site Code: 152139
Class Code: 2	Region: 1	County: Suffolk	EPA Id:
Address: Washington Street / Sag Harbor, NY 11963			
Latitude: 40° 59' 57"		Longitude: 72° 17' 46"	
Site Type: Structure		Estimated Size: 2.3 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Watch Case Factory Associates c/o Estate
Current Owner(s) Address: 1928 Midline / Syosset, NY 11791
Owner(s) during disposal: Bulova Watch
Operator(s) during disposal: Bulova Watch
Stated Operator(s) Address: Washington Street / Sag Harbor, NY 11963
Hazardous Waste Disposal Period: From: 1936 To: 1981

Site Description:

This site was a former textile plant that was converted to watch manufacturing at the turn of the century. Watch manufacturing operations included: tooling, pressing, forming, machining, soldering, polishing, solvent cleaning, and plating. A soil gas survey has identified the courtyard as one source of contamination. In 1994, Bulova signed a Consent Order to construct an air sparging/SVE system. The system was operated in the inner and northwest courtyards. A full Remedial Order was signed in September, 1995. The PRP has completed the on-site and off-site RI. A ROD was signed in December 1996, specifying continued operation and monitoring of the air sparge/soil vapor extraction (AS/SVE) system. A leaking underground storage tank containing # 2 fuel oil is being addressed by the Spill Response program. Groundwater sampling data indicated that the groundwater cleanup criteria have been met in the Northwest Courtyard (downgradient) area. As a result, the Northwest Courtyard remedial system was shut down in June 1997. The AS/SVE system in the interior courtyard was shutdown in March, 1999. A soil vapor study was conducted within the inner courtyard on June 15, 1999. A soil investigation was conducted in the inner courtyard in March 2001. Based on the results of soils investigation, 110 cubic yards of contaminated soils from the interior courtyard were excavated and disposed off site between October and November of 2001. The AS/SVE system has been reconfigured for start up.

Confirmed Hazardous Waste Disposal:

1,1,1-Trichloroethane (F001, F002, U226 Waste)
 Trichloroethylene (F001, F002, U228 Waste)

Quantity:

unknown
 unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water
Geotechnical Information:		Depth to
Soil/Rock Type: Sand and gravel.		Groundwater: Range: 10 to 15 feet.
Legal Action: Type: State Consent Order		Status: Order Signed
Remedial Action: In Progress		Nature of action: Soil vapor extraction & air sparging system.

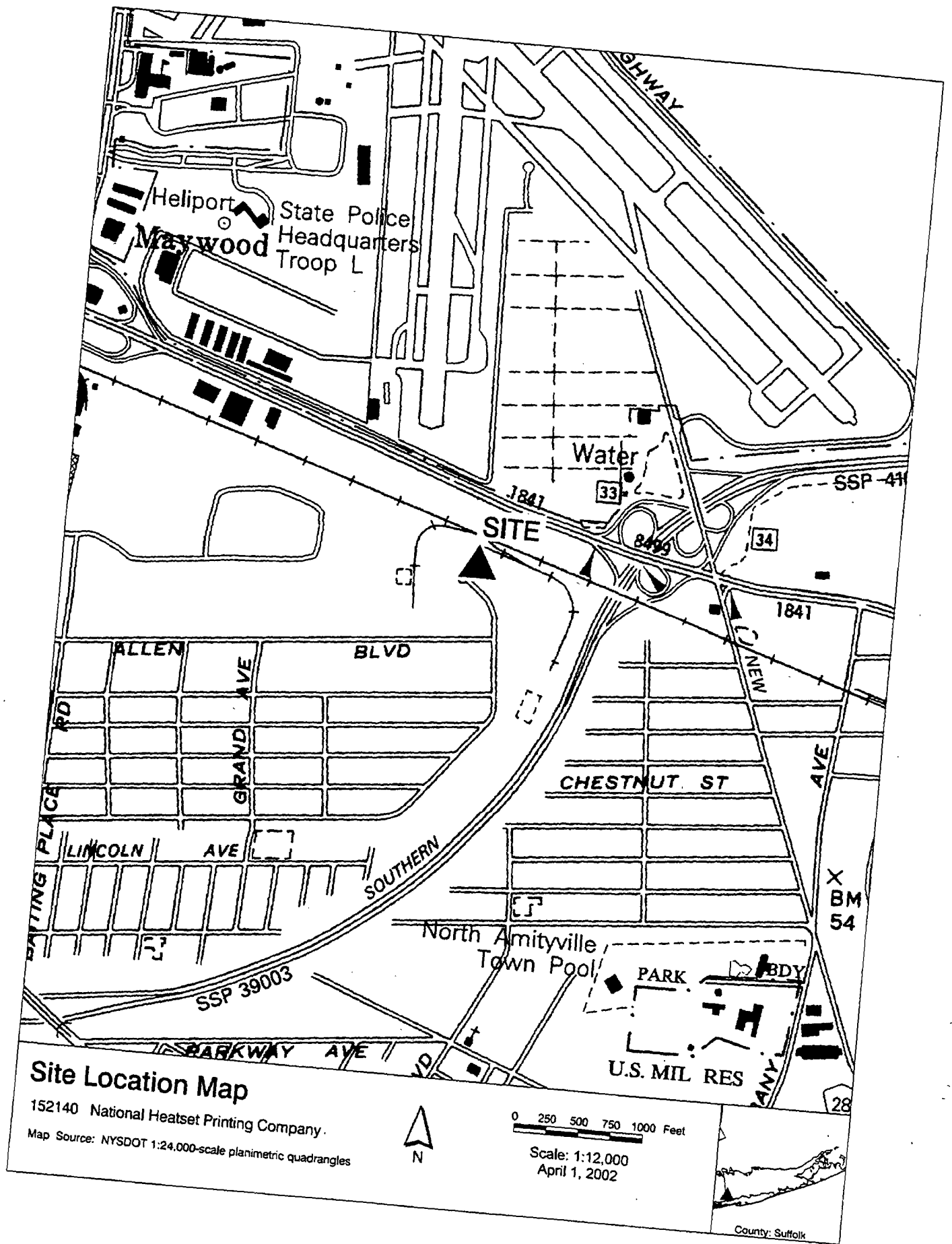
Assessment of Environmental Problems:

Groundwater contamination at this site has been confirmed. The direction that the contaminant plume is traveling in indicates that discharge to the Cove has occurred. The remediation of this site has reduced the contamination in the area.

Assessment of Health Problems:

Groundwater from the site is contaminated, and Suffolk County Water Authority maps indicate that not all homes in the area between the site and Sag Harbor Cove are connected to the public water supply. Suffolk County Health Department Services sampled 10 private water supplies in the area and found no site related contamination. NYSDOH has determined that soil gas contamination under and near the building may result in impacts to indoor air in the building. Additional remediation has begun in order to address the soil gas contamination before the building is rehabilitated for residential use.

SYL00115453



SYL00115454

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: National Heatset Printing Company		Site Code: 152140
Class Code: 2	Region: 1	County: Suffolk
Address: 1 Adams Boulevard / Farmingdale, NY 11735		EPA Id: NYD101199693
Latitude: 40° 43' 4"	Longitude: 73° 24' 45"	
Site Type: Structure	Estimated Size: 4.5 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: One Adams Boulevard Realty Corporation
Current Owner(s) Address: 1 Adams Boulevard / Farmingdale, NY 11735
Owner(s) during disposal: Michael Adamowicz III
Operator(s) during disposal: National Heatset Printing Company
Stated Operator(s) Address: 1 Adams Boulevard / Farmingdale, NY 11735
Hazardous Waste Disposal Period: From: 1983 To: 1988

Site Description:

This site is a multi-tenant industrial building. A former tenant, National Heatset Printing, is alleged to have dumped organic solvents and other printing chemical wastes into on-site leaching pools. Analytical data revealed that the groundwater is contaminated at levels greater than the NYS Part 703 groundwater standards. The following contaminants were noted in on-site soils; tetrachloroethylene at 14,000 ppb, trichloroethylene at 62,000 ppb, 1,1,1-trichloroethane at 1600 ppb and 1, 2-dichloroethylene at 4100 ppb. The following groundwater contaminants were also noted; tetrachloroethane at 2700 ppb, trichloroethylene at 100 ppb, 1,1,1-trichloroethane at 26 ppb and 1,2-dichloroethene at 180 ppb. Nine private wells downgradient of the site have been contaminated by VOCs. The owner claims he installed a "Cyclopurge" System around a leaching pool in 1990. The cyclopurge system operated until 1998; however, its effectiveness is unknown. A RI/FS was completed for this site. This investigation found on-site soil, and on and off-site groundwater contamination. The groundwater contamination plume extends approximately 7,100 feet downgradient from the site, and threatens the Albany Avenue public well field, located 6,500 feet downgradient of the site. An IRM was conducted by the Suffolk County Water Authority to provide public water to homes and businesses that use private wells and are impacted by the groundwater contamination plume. Six homes and three businesses have been connected to public water, to date. The RI/FS report was issued in February 1999 as well as the PRAP. The remedy chosen for cleaning up the groundwater plume is in-well stripping. The ROD was signed in June 1999. The PRP refused to implement the chosen remedy and the site was referred to State Superfund for a RD/RA. In June 2000, an Explanation of Significant Differences was prepared to provide for an alternate extraction and treatment remedy for the off-site contamination. The RD work plan was approved in October 2000. A chemical oxidation pilot test was performed at the source area and a pump test was performed at the downgradient edge of the site in 2001.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene (PCE or "perc.")
 Trichloroethane (TCA)
 1,1,1-Trichloroethylene (TCE)
 1,2-Dichloroethylene (DCE)

Quantity:

unknown
 unknown
 unknown
 unknown

Analytical Data Available for:	Groundwater	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater	Drinking Water	
Geotechnical Information:			Depth to
Soil/Rock Type: Sand and gravel.			Groundwater: Range: 10 to 15 feet.

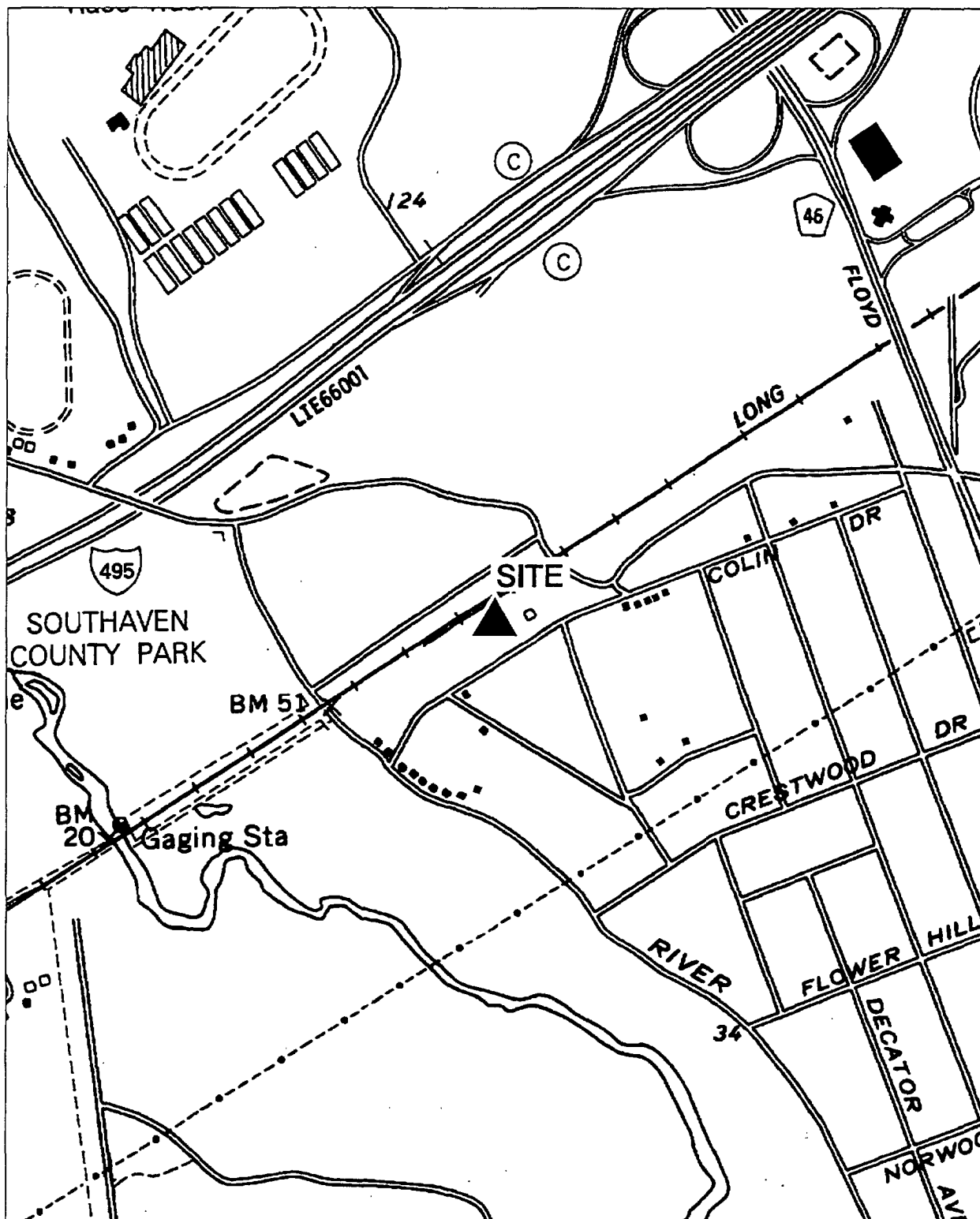
Legal Action: Type:	Status:
Remedial Action: In Design	Nature of action: GW pump & treat + in-situ chemical oxidation.

Assessment of Environmental Problems:

Groundwater contamination has affected a sole source aquifer. Six private and three business water supply wells were contaminated and public water was supplied. A public supply well field is 6,500 feet downgradient from this site.

Assessment of Health Problems:

Several private wells near the site were contaminated with chlorinated solvents. Public water has since been provided to the affected homes and businesses. To eliminate the possibility of exposure to contaminants in drinking water, the New York State Department of Health has recommended that all downgradient homes and businesses with private wells be connected to public water. A public water supply well field lies about one mile downgradient from the site. No contamination has been detected in samples from this supply well; monitoring continues. The site is in a commercial/industrial park with little evidence of on-site use other than storage within the on-site structure. Contamination is limited to subsurface areas.



Site Location Map

152146 Yaphank Railroad

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115456

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Yaphank Railroad	Site Code: 152146
Class Code: 2a Region: 1 County: Suffolk	EPA Id:
Address: Colin Drive / Yaphank, NY 11980	
Latitude: 40° 50' 2" Longitude: 72° 53' 49"	
Site Type: Dump	Estimated Size: 2 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Long Island Railroad
Current Owner(s) Address: Jamaica Station / Jamaica, NY 11435
Owner(s) during disposal: Long Island Railroad
Operator(s) during disposal: Long Island Railroad
Stated Operator(s) Address: Jamaica Station / Jamaica, NY 11435
Hazardous Waste Disposal Period: From: unknown To: unknown

Site Description:

This site lies along the railroad tracks in the Town of Yaphank. Iron slag, which appears to be up to 15 feet thick, covers the site. This site may have been an open dump for the railroad. High levels of TCLP lead were found at several locations in soils throughout the site. A Preliminary Site Assessment (PSA) Consent Order was signed in February, 1996. The preliminary results of the PSA indicated that runoff from the site has contaminated off-site soil. Additional investigation work by the responsible party is underway. The site is now in the voluntary cleanup program and the number is V00384-1.

Confirmed Hazardous Waste Disposal:

Lead (D008 Waste)

Quantity:

unknown

Analytical Data Available for: Groundwater Soil	
Applicable Standards Exceeded in:	
Geotechnical Information:	Depth to
Soil/Rock Type: Sand.	Groundwater: Range: 10 to 15 feet.
Legal Action: Type: State Consent Order	Status: Order Signed
Remedial Action:	Nature of action:

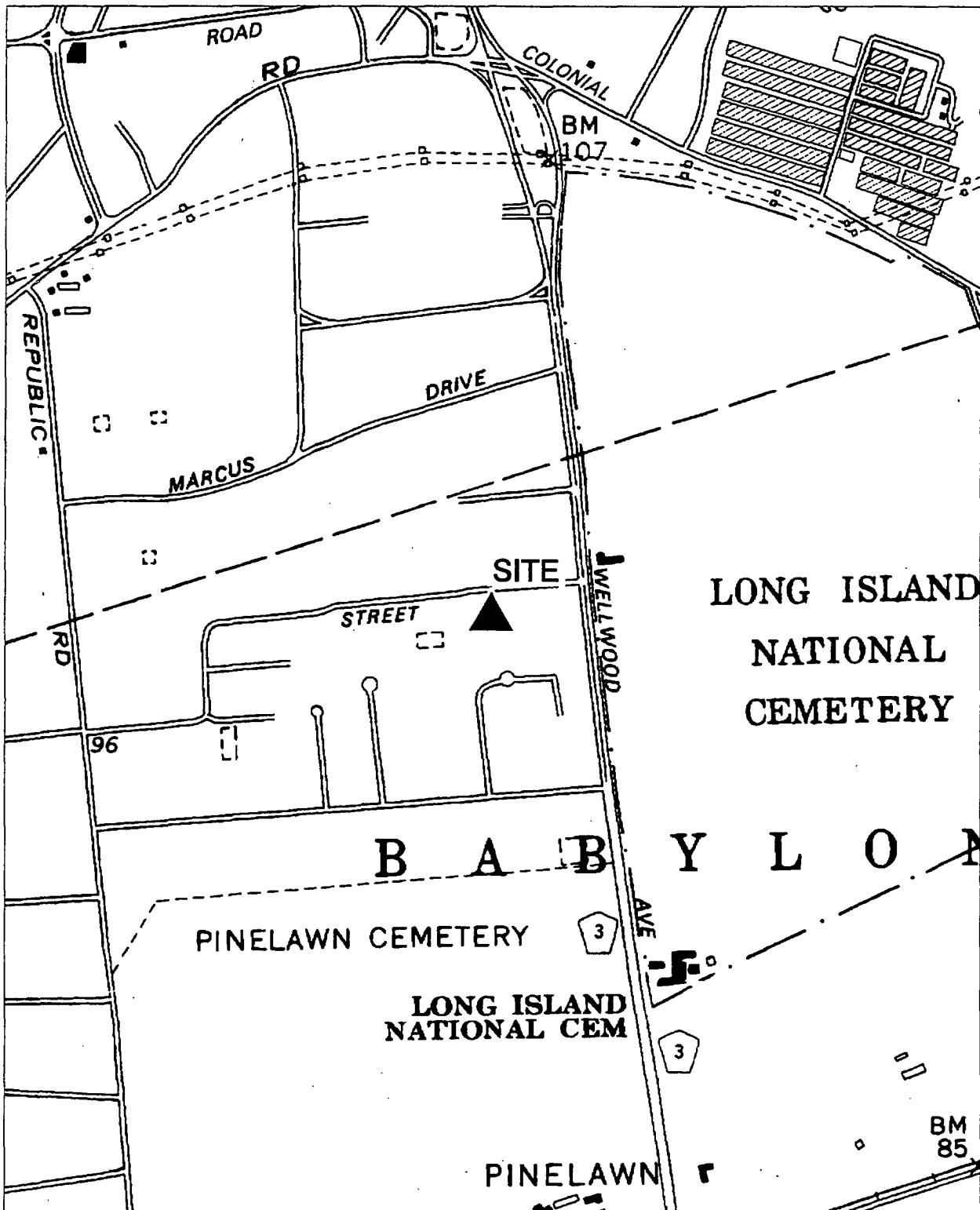
Assessment of Environmental Problems:

There is a possibility of groundwater contamination over a sole source aquifer as well as the threat of human exposure via direct contact.

Assessment of Health Problems:

Environmental samples from the site contained high levels of lead in surface soil on the site. Surface soil samples have been requested to further delineate the site. NYSDOH staff collected surface soil samples from a nearby residence and determined no windblown dispersion of lead had occurred in the closest residential area. The railroad has installed a fence to prevent direct contact with contaminated soils. An extensive survey was done to locate private wells in the area surrounding the site. Two private wells were located and both of the owners are connected to the public water supply.

SYL00115457



Site Location Map

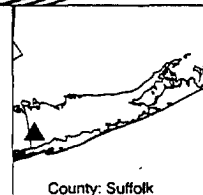
152147 Minmilt Realty (Hygrade Metal Moulding)

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



SYL00115458

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Minmilt Realty (Hygrade Metal Moulding)			Site Code: 152147
Class Code: 2	Region: 1	County: Suffolk	EPA Id: NYD001489269
Address: 540 Smith Street / Farmingdale, NY 11735			
Latitude: 40° 45' 25"		Longitude: 73° 24' 17"	
Site Type: Structure		Estimated Size: 2.28 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: **Minmilt Realty**
 Current Owner(s) Address: **540 Smith Street / Farmingdale, NY 11735**
 Owner(s) during disposal: **Minmilt Realty**
 Operator(s) during disposal: **Hygrade Metal Moulding Corporation**
 Stated Operator(s) Address: **540 Smith Street / Farmingdale, NY 11735**
 Hazardous Waste Disposal Period: **From: 10/1982 To: 03/1990**

Site Description:

This site is a metal forming facility consisting of a one-story industrial building on a 2.28 acre parcel. Industrial activities at this site included the use of vapor degreasers containing tetrachloroethylene (PCE). The spent degreasers were disposed into a leaching pool on-site without a SPDES permit. A Consent Order (CO) was signed on November 7, 1994 between the NYSDEC and the current owner to conduct a RI/FS and an IRM. The RI found that soils on the east side of the building were highly contaminated with PCE at levels up to 820 ppm, and groundwater contained PCE at levels up to 140,000 ppb. An Interim Remedial Measure (IRM) consisting of soil vapor extraction (SVE) and groundwater pump and treat were installed in February 1997 and are now operating. The Suffolk County Department of Health Services installed a monitoring well and took hydro punch samples on Central Avenue, about 1500 feet downgradient of the site, in July 1997. This sampling revealed an extensive PCE plume migrating from the site. An investigation of the off-site groundwater plume commenced in December 1998. Minmilt submitted a RI/FS for the off-site component for DEC review in December 1999. The SVE component of this remedy appears to have reached asymptotic conditions and will enter a temporary shut down period as removals have dropped to 0.33 pounds per month from over 1,000 pounds per month in March 1997 when this IRM began. Vapor phase activated carbon treatment was removed from the SVE off gas in April 1999 as it is no longer required. The groundwater component is containing the plume and is presently removing a significant mass of PCE from the Upper Glacial and Magothy aquifers. As of the end of the fourth quarter in 2001, approximately 406 million gallons of groundwater have been treated and approximately 19,000 pounds of PCE have been removed. The revised off-site RI/FS has been approved. The proposed remedial action plan was released to the public on February 1, 2002. The PRAP calls for continued operation of the SVE and the groundwater extraction and treatment to clean up the soils and groundwater.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene ((PCE or "perc.") (F001))

Quantity:

unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		
Soil/Rock Type: Sand and gravel.	Depth to Groundwater:	Range: 35 to 40 feet.
Legal Action: Type: State Consent Order -RI/FS		Status: Order Signed
Remedial Action: In Progress	Nature of action: IRM-SVE + groundwater pump and treat.	

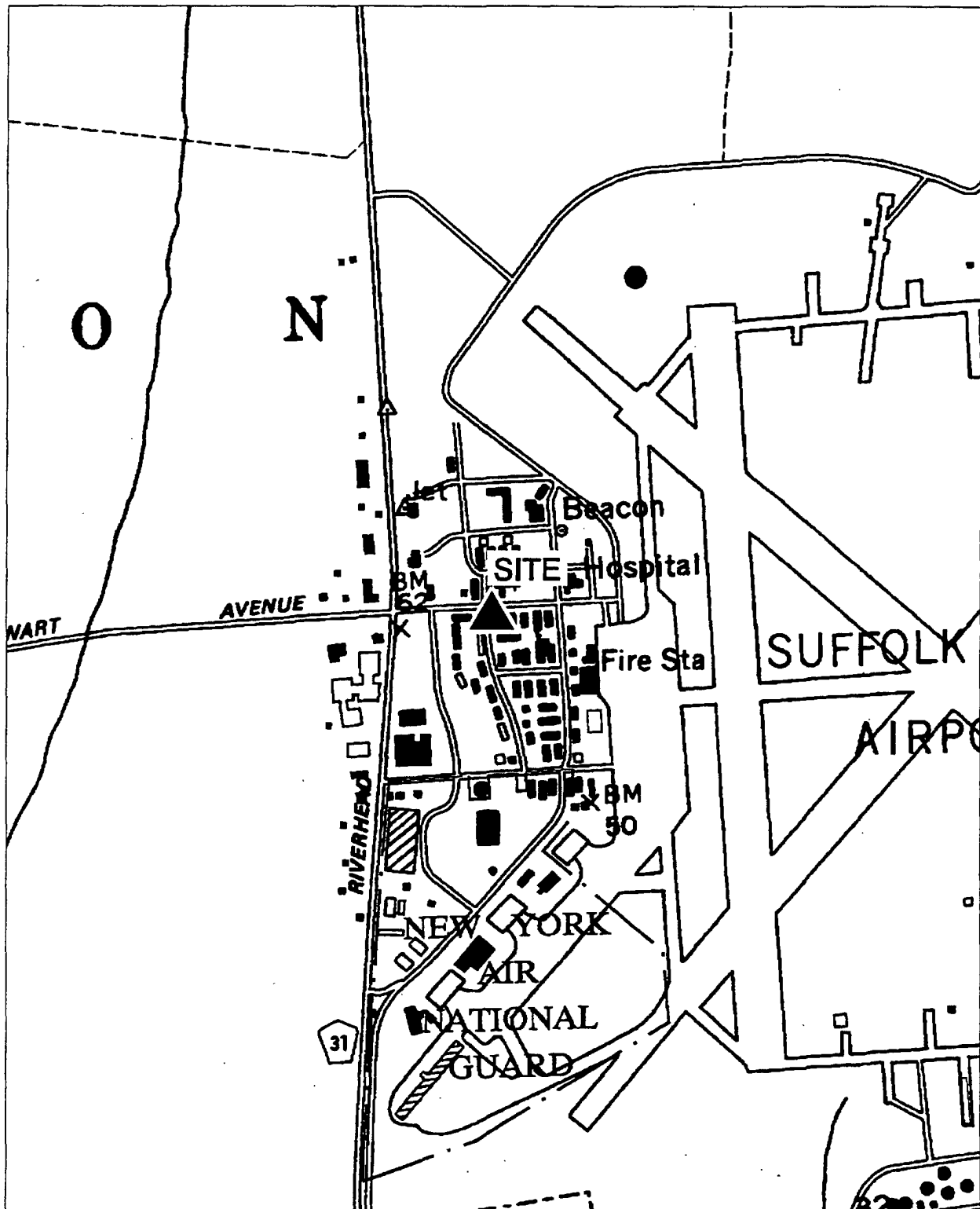
Assessment of Environmental Problems:

Contamination of a sole source aquifer by tetrachloroethylene (PCE) has been confirmed.

Assessment of Health Problems:

Operations at the site contaminated subsurface soils and groundwater with tetrachloroethene and other solvents. Employees at the nearby Pinelawn Memorial Park have been advised not to drink the facility's tap water due to solvent contamination in the facility's private drinking water supply well. With the exception of the memorial park, the area is supplied with public drinking water. The nearest active public drinking water supply well is about 4,500 feet downgradient of the site and is not impacted by site related contamination. Human exposure to contaminated subsurface soils is not expected to occur unless contaminated soils are excavated. Testing of indoor air at a building adjacent to the Minmilt building did not detect site related contamination.

SYL00115459



Site Location Map

152148 Suffolk County Air National Guard Base

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115460

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Suffolk County Air National Guard Base	Site Code: 152148
Class Code: 2 Region: 1 County: Suffolk	EPA Id:
Address: Old River Head Road / Westhampton Beach, NY 11978	
Latitude: 40° 50' 36" Longitude: 72° 38' 35"	
Site Type:	Estimated Size: 1 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Suffolk County Airport
Current Owner(s) Address: Suffolk County Administration Building / Westhampton Beach, NY 11978
Owner(s) during disposal: US Department of the Air Force
Operator(s) during disposal: New York Air National Guard
Stated Operator(s) Address: Suffolk County Air National Guard Base / Westhampton Beach, NY 11978
Hazardous Waste Disposal Period: From: 1950 To: unknown

Site Description:

The New York Air National Guard occupies approximately 70 acres of building sites and aircraft working areas, and is located in the Town of Southampton. A site investigation was recently completed under the directive of the Department of Defense (DOD) and initiated under the Installation Restoration Program (IRP). The investigation revealed the presence of high concentrations of chlorinated solvents in sludge samples that were collected from the old seepage system (septic tanks and cesspools). The site is underlain by the Magothy aquifer which is a sole source aquifer and is interconnected with the overburden aquifer. There are drinking water wells that are located within a mile southeast of the site (Suffolk County Water Authority Well Field). Groundwater flows in a southeast direction. Available information suggests that the drinking water source is threatened. The site consists of numerous septic systems totaling one acre, within a 70 acre parcel. The Suffolk County Air National Guard (SCANG)

completed sampling of the septic tanks on site in December of 1994. A Site Investigation Report was submitted in February 1997. The report indicates that additional investigative work needs to be done at various areas as follows:

- Site 4 - Aircraft refueling spill
- Site 5 - Surface water storm drainage ditch
- Site 8 - Old base septic system
- Site 9 - Ramp outfall

A RI/FS for sites 1, 2, 3, 7, 10, 11, and 12 is ongoing. A Time Critical Removal Action Plan (TCRA) for Site 8, the old base septic system, was submitted to NYSDEC by the SCANG in January 2002.

Confirmed Hazardous Waste Disposal:

1,1,1-Trichloroethane (F001 & F002 Waste)
Trichloroethylene (F001 & F002 Waste)
Dichlorobenzene (F002 Waste)

Quantity:

unknown
unknown
unknown

Analytical Data Available for: Sediment	
Applicable Standards Exceeded in:	
Geotechnical Information:	Depth to
Soil/Rock Type: Fine to coarse sand.	Groundwater: Range: 10 to 15 feet.
Legal Action: Type:	Status:
Remedial Action:	Nature of action:

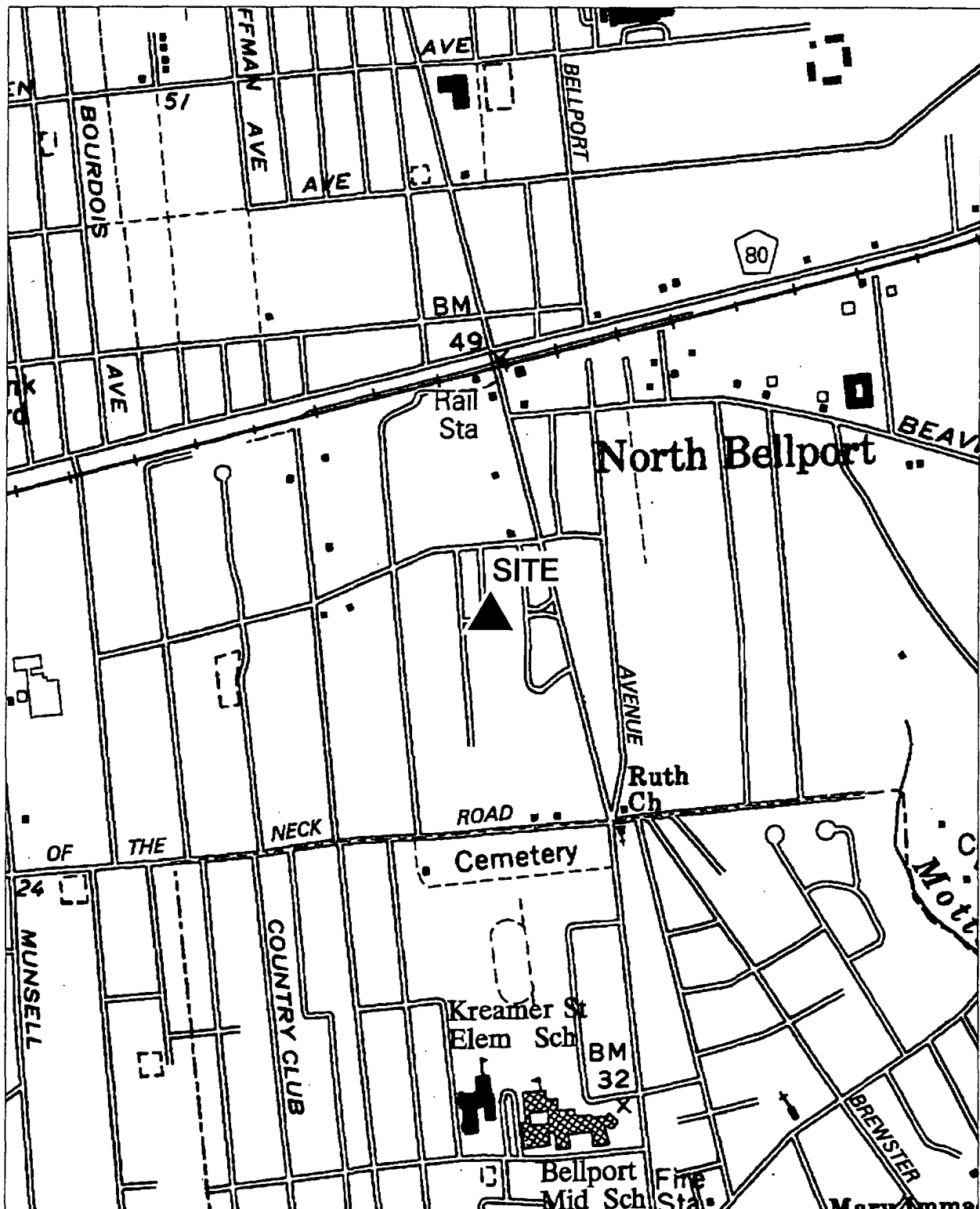
Assessment of Environmental Problems:

Even though there is no groundwater data, taking into account that most of the chlorinated solvents found on site are denser than water and soluble, and that the septic tanks and cesspools are unlined, it is appropriate to conclude that the groundwater is most likely contaminated. The Suffolk Co. Water Well Authority wells are located within one mile of the site.

Assessment of Health Problems:

The public water supply wells located approximately 1 mile downgradient could potentially be contaminated in the future by site related chemicals. Routine monitoring of the downgradient public water supply wells has not detected any site related contamination to date. The potential threat to the public water supply wells is based on the fact that high concentrations of chlorinated solvents were observed in the septic systems. There is no barrier between these contaminants and the groundwater. The site will be evaluated during the remedial investigation.

SYL00115461



Site Location Map

152116 New York Pyrotechnics Product Company

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000

April 1, 2002



County: Suffolk

SYL00115462

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: East Hampton Aire	Site Code: 152156
Class Code: 2a Region: 1 County: Suffolk	EPA Id:
Address: Hanger L - East Hampton Airport / East Hampton, NY 11937	
Latitude: 40° 57' 30" Longitude: 72° 14' 58"	
Site Type: Structure	Estimated Size: 1 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Town of East Hampton
Current Owner(s) Address: 159 Pantigo Road / East Hampton, NY 11937
Owner(s) during disposal: Town of East Hampton
Operator(s) during disposal: East Hampton Aire
Stated Operator(s) Address: Hanger L - East Hampton Airport / East Hampton, NY 11937
Hazardous Waste Disposal Period: From: early 70s To: 1991

Site Description:

This site is an airport hangar that was abandoned in 1991 when the tenant went out of business. Activities inside the 3-story structure began in the early 1970s, and included routine cleaning, maintenance, repair and storage of aircraft. Several full drums containing chlorinated solvents were left outside the building when it was abandoned. The drums had leaked some of their contents onto the ground, contaminating the surrounding soils. Subsequent samples taken from drywells in the vicinity of the leakage indicated levels of chlorinated solvents. A State-funded Preliminary Site Assessment (PSA) was completed in the fall of 2000. The study found no volatile organic contamination of the soil or groundwater.

Confirmed Hazardous Waste Disposal:

1,1,1-Trichloroethane (F002 Waste)
Trichloroethene (F002 Waste)
Tetrachloroethene (F002 Waste)

Quantity:

unknown
unknown
unknown

Analytical Data Available for: Soil	
Applicable Standards Exceeded in:	
Geotechnical Information:	Depth to
Soil/Rock Type: Sand.	Groundwater: Range: 15 to 20 feet.

Legal Action: Type: State Consent Order	Status: Negotiations in Progress
Remedial Action: Complete	Nature of action: Soil and drum removal.

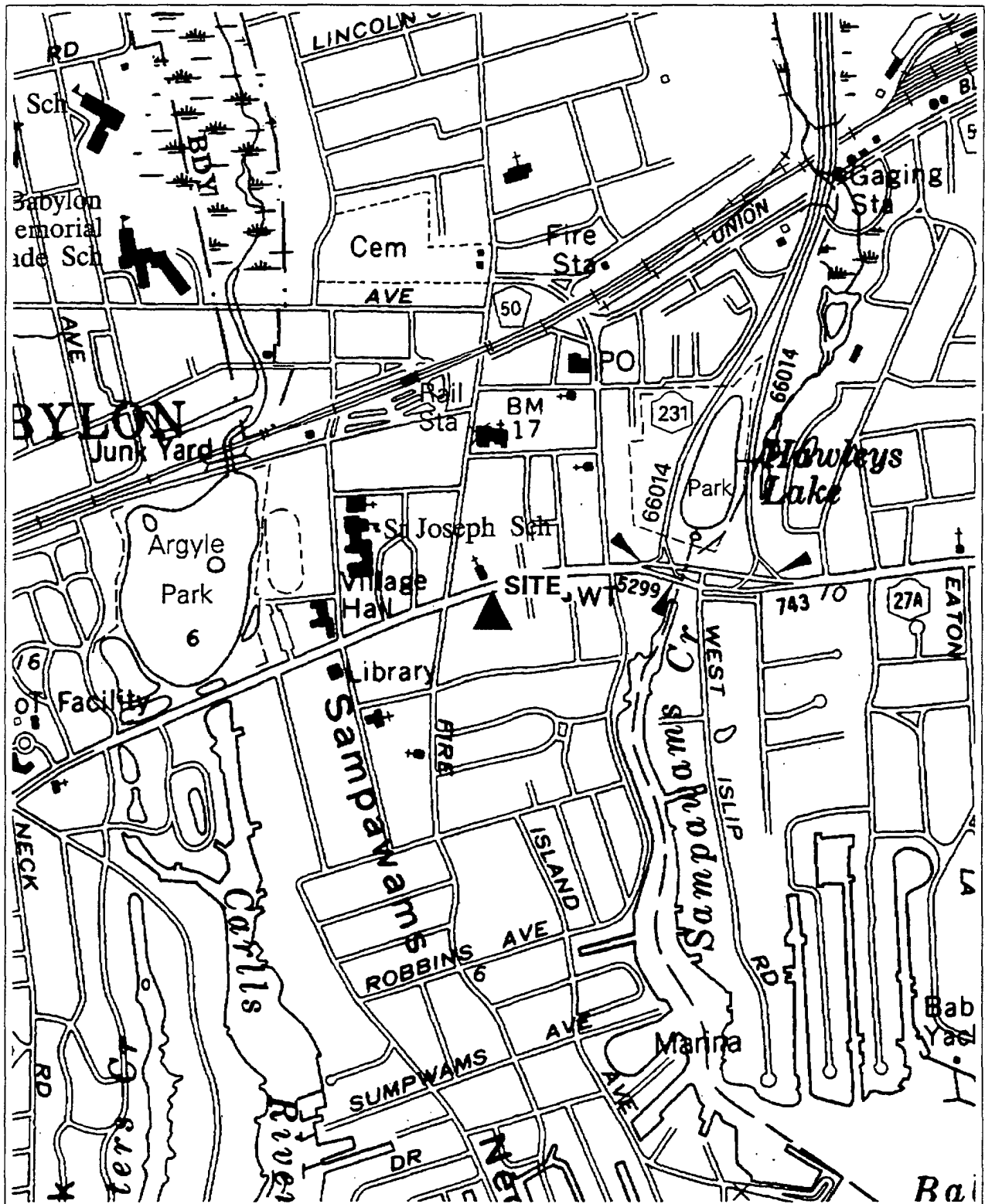
Assessment of Environmental Problems:

Investigations completed in the fall of 2000 found no volatile organic contamination of the soils or groundwater at this facility.

Assessment of Health Problems:

Past investigations have identified soil contamination and drywells contaminated with volatile organic compounds and semi-volatile organic compounds. An Interim Remedial Measure was conducted to remove contaminated surface-soils and sediments. A Preliminary Site Assessment was recently completed and data does not indicate significant levels of contamination.

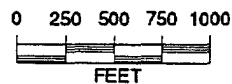
SYL00115463



Site Location Map

152157 Eugenes Dry Cleaners

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Suffolk

SYL00115464

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Eugene's Dry Cleaners	Site Code: 152157
Class Code: 2 Region: 1 County: Suffolk	EPA Id:
Address: 54 East Main Street / Babylon, NY 11702	
Latitude: 40° 41' 47" Longitude: 73° 19' 19"	
Site Type: Structure	Estimated Size: 1 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Maria O'Shea c/o Gloria Manning
Current Owner(s) Address: 238 Oak Street / Medford, NY 11763
Owner(s) during disposal: unknown
Operator(s) during disposal: Donald Gottwald
Stated Operator(s) Address: 54 East Main Street / Babylon, NY 11702
Hazardous Waste Disposal Period: From: unknown To: 1994

Site Description:

This site has been a dry cleaning operation for several years. The facility discharged a tetrachloroethylene/water mixture to the basement sump which was discharged to the ground. The discharge has stopped since the initial sample collection in June 1994. This discharge may impact a sole source aquifer. The Smith Street and Sawyer Avenue Well Fields are located north of the site. The facility was an active dry-cleaning business up until 1998 and workers and the general public had the potential of being exposed to contaminated soils and soil vapor. The DOH has found that the on-site contamination represents a significant threat to public health. Fuel oil spills have also been confirmed to have occurred in the basement of the facility. DER staff have completed an in house Focused RI at the site. A high concentration of perc. in exceedance of the groundwater standard of 5 ppb has been confirmed to be present in the sump located in the basement of the facility. A sump clean out IRM was performed on October 22, 1998. The IRM consisted of power washing the basement and power vacuuming the sump to remove the contaminated material and groundwater. Follow up sampling was performed to determine the effectiveness of the IRM. The results indicate that the IRM has resulted in significant improvement of the groundwater in the vicinity of the site. The IRM was also successful in removing fuel oil residue from the basement of the facility. A PRAP public participation meeting was held on July 20, 2000. A ROD for this site was signed on December 1, 2000. The ROD recommended "no further action", placing four additional groundwater monitoring wells at the site and performance of long term groundwater monitoring.

Confirmed Hazardous Waste Disposal:
tetrachloroethylene (F002 Waste)

Quantity:
unknown

Analytical Data Available for:	Groundwater Soil Sediment
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	Depth to
Soil/Rock Type: Sand.	Groundwater: Range: 1 to 5 feet.
Legal Action: Type:	Status:
Remedial Action: Complete	Nature of action: IRM-Power wash & power vacuum sump.

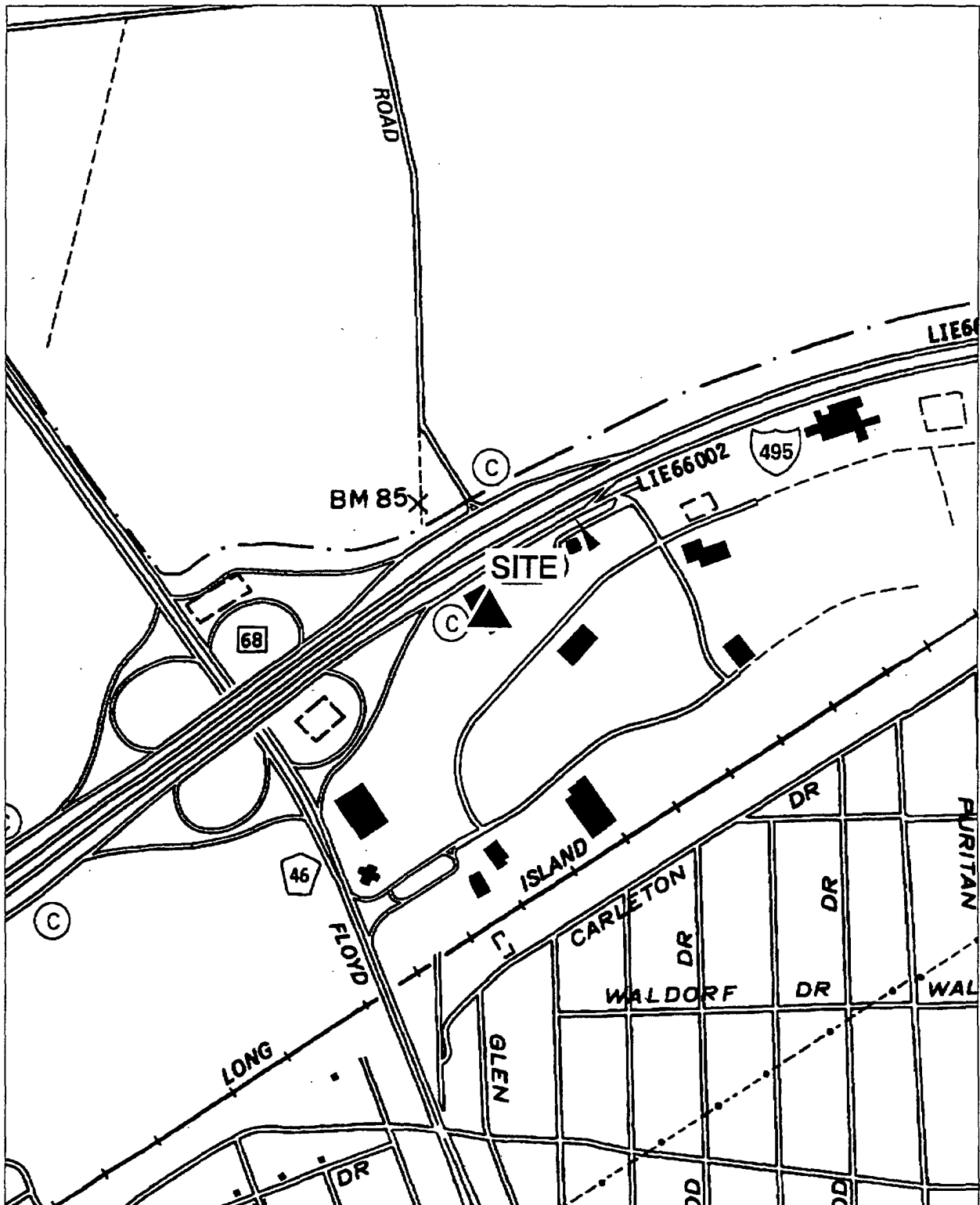
Assessment of Environmental Problems:

Contamination of the sole source aquifer beneath the site has occurred. An IRM to limit further contamination is complete.

Assessment of Health Problems:

Groundwater is contaminated with high levels of tetrachloroethene as well as other volatile organic compounds. Exposure to contaminated drinking water is not expected since public water serves the area. The nearest public water supply well is about one-third of a mile away and routine monitoring has not detected site-related contaminants.

SYL00115465



Site Location Map

152158 Precision Concepts, Inc.

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115466

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Precision Concepts, Inc.			Site Code: 152158
Class Code: 2	Region: 1	County: Suffolk	EPA Id: NYD030282537
Address: 26 Natcon Drive / Shirley, NY 11967			
Latitude: 40° 50' 45"		Longitude: 72° 53' 4"	
Site Type: Structure		Estimated Size: 7 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Town of Brookhaven IDA
Current Owner(s) Address: 3233 Route 212 - Building 3 - Room 3 / Medford, NY 11763
Owner(s) during disposal: Town of Brookhaven IDA
Operator(s) during disposal: Precision Concepts, Inc.
Stated Operator(s) Address: 26 Natcon Drive / Shirley, NY 11967
Hazardous Waste Disposal Period: From: 1983 To: 1988

Site Description:

Precision Concepts is a one story industrial building. Industrial activity at the site included metal stamping, punching, light grinding, and metal cleaning, including the use of organic solvents 1,1,1-trichloroethane and 1,1-dichloroethane. Samples taken from industrial and sanitary pools on site have shown elevated levels of several metals and volatile organic compounds. A May 1988 industrial leaching pool water sample had 1,1,1-trichloroethane at 1200 ppb. The sanitary system was pumped out. In 1990, 1,1,1-Trichloroethane was detected in one temporary groundwater sampling point. A RI focusing on on-site soils and drywell sediments was conducted in the spring of 1999. A RI of on-site groundwater was conducted in the fall of 2000. No evidence of significant contamination in soils was found on site. No evidence of groundwater contamination was found in the second phase of the RI in October 2000. In December 2000 sampling and analysis of groundwater was conducted in the proximity of the Carmens River, a possible receptor of contamination associated with the site. No contaminants associated with the Precision Concepts Site were found in the shallow groundwater analyzed in the Carmen River investigation. Because no contamination was detected during the RI, a no action Record of Decision (ROD) released in March 2002 for operable unit 1 (OU-1) on site. A second operable unit was created to address possible off-site impacts.

Confirmed Hazardous Waste Disposal:

1,1,1-Trichloroethane (F001)
1,1-Dichloroethane

Quantity:

unknown
unknown

Analytical Data Available for:	Groundwater
Applicable Standards Exceeded in:	Groundwater Drinking Water
Geotechnical Information:	
Soil/Rock Type: Sand and gravel.	Depth to Groundwater: Range: 35 to 40 feet.
Legal Action: Type: State Consent Order	Status: Order Signed
Remedial Action:	Nature of action:

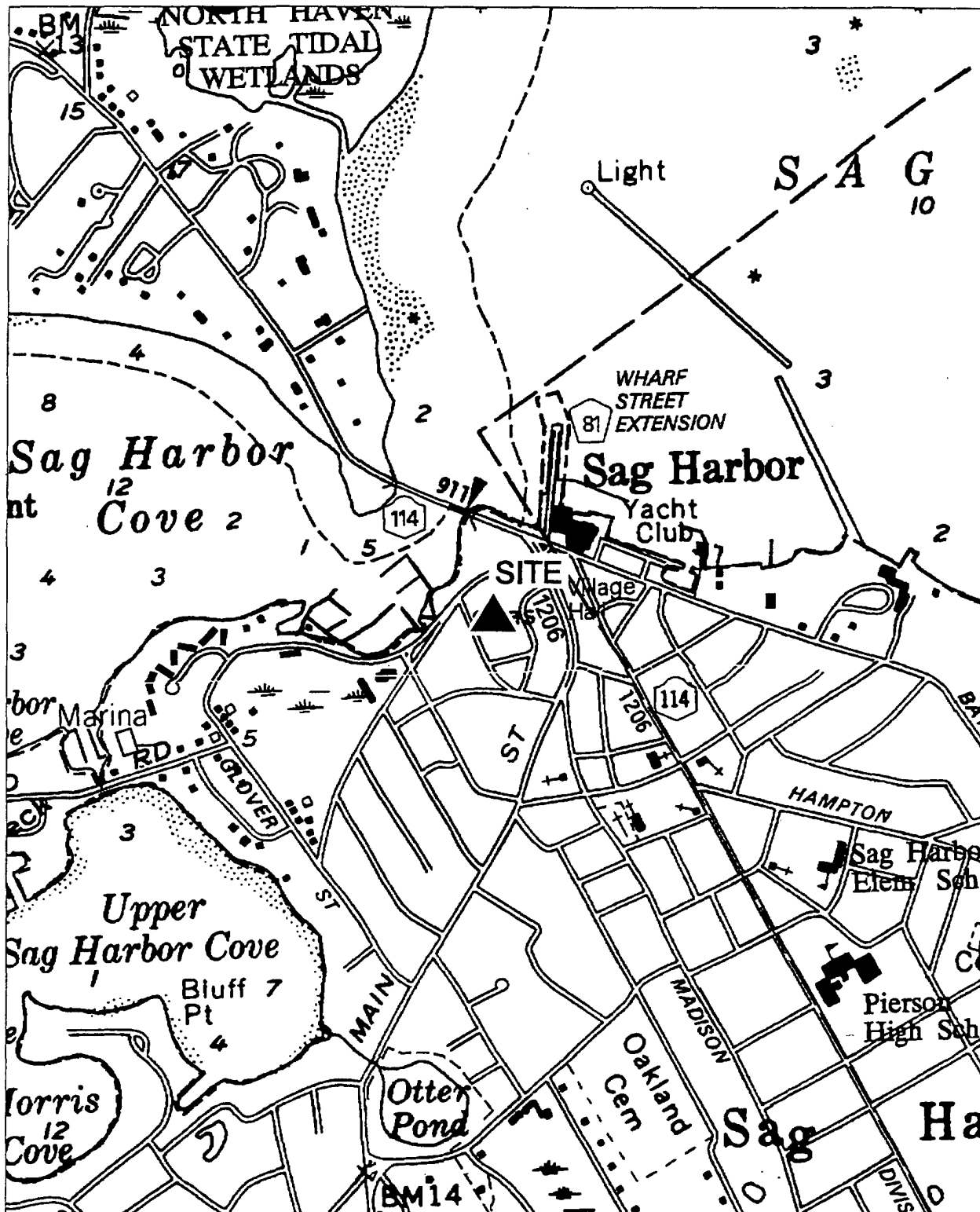
Assessment of Environmental Problems:

Past site operations may have contaminated the groundwater within a sole-source aquifer at and downgradient of the site with high levels of 1,1,1-trichloroethane. Residential water supplies have also been impacted. Downgradient residents are now supplied with Public Water.

Assessment of Health Problems:

Several private wells near the site have been contaminated with 1,1,1-trichloroethane at concentrations up to 600 parts per billion. Brookhaven National Laboratory, which is responsible for deeper plumes of groundwater contamination in the area, has provided public water to area residents. Recent investigations have not found significant contamination in soil or groundwater at the Precision Concepts site. Access to the site is restricted.

SYL00115467



Site Location Map

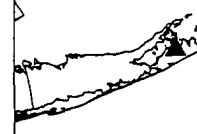
152159 Sag Harbor Gas Plant

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115468

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Sag Harbor Gas Plant	Site Code: 152159
Class Code: 2 Region: 1 County: Suffolk	EPA Id:
Address: Bridge Street / Sag Harbor, NY 11963	
Latitude: 41° 0' 4" Longitude: 72° 17' 49"	
Site Type: Structure	Estimated Size: 0.8 Acres

Site Owner / Operator Information:

Current Owner(s) Name: Long Island Lighting Company (LILCO)
Current Owner(s) Address: 175 East Old Country Road / Hicksville, NY 11801
Owner(s) during disposal: Town of Southampton
Operator(s) during disposal: Town of Southampton
Stated Operator(s) Address: 116 Hampton Road / Southampton, NY 11968
Hazardous Waste Disposal Period: From: 1859 To: 1929

Site Description:

Between 1859 and 1929, a town gas plant was operated on this 0.8 acre site. Manufactured gas was made from either coal or rosin. After LILCO purchased the site in 1929, the gas plant ceased operations and a pressurized gas holder was installed. The site was originally studied by the NYSDEC and the USEPA under the more inclusive Sag Harbor Bridge Site. The Bridge Street area was first identified as an area of concern in 1987 when Suffolk County Water Authority personnel discovered environmental contamination when performing an excavation on Bridge Street. It is unknown whether the former Sag Harbor Gas Plant was the source of this contamination. Manufactured gas wastes, consisting primarily of aromatic volatile organics and polycyclic aromatic hydrocarbons, have been found on LILCO's property. The surface soils and the underlying groundwater have been impacted. Three separate studies were completed by USEPA in 1988, 1989, and 1990. A State funded Preliminary Site Assessment (PSA) was completed in 1993. The results of a 1996 LILCO funded investigation, which included the construction and sampling of 6 monitoring wells on the LILCO property, has recently been provided to the NYSDEC and resulted in the listing of this site. Discharges of coal gas wastes have impacted the surface soils and underlying groundwater. The concentrations of benzene in the groundwater indicate that leachable benzene above the TCLP limit of 0.5 ppm is present. High levels of toluene, ethylbenzene, xylenes and various polynuclear aromatic hydrocarbons (PAHs) are also present in the groundwater. Surface soils also contain high levels of PAHs. A RI/FS work plan was approved in December 1999 based on the Order on Consent. The first phase RI was submitted for review in December 2001. Field work for the second phase RI is to begin in the spring of 2002.

Confirmed Hazardous Waste Disposal:
Benzene (D018) Waste

Quantity:
unknown

Analytical Data Available for:	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	
Geotechnical Information:		Depth to
Soil/Rock Type: Sand and gravel.		Groundwater: Range: 1 to 5 feet.
Legal Action: Type: State Consent Order	Status: Order Signed	
Remedial Action:	Nature of action:	

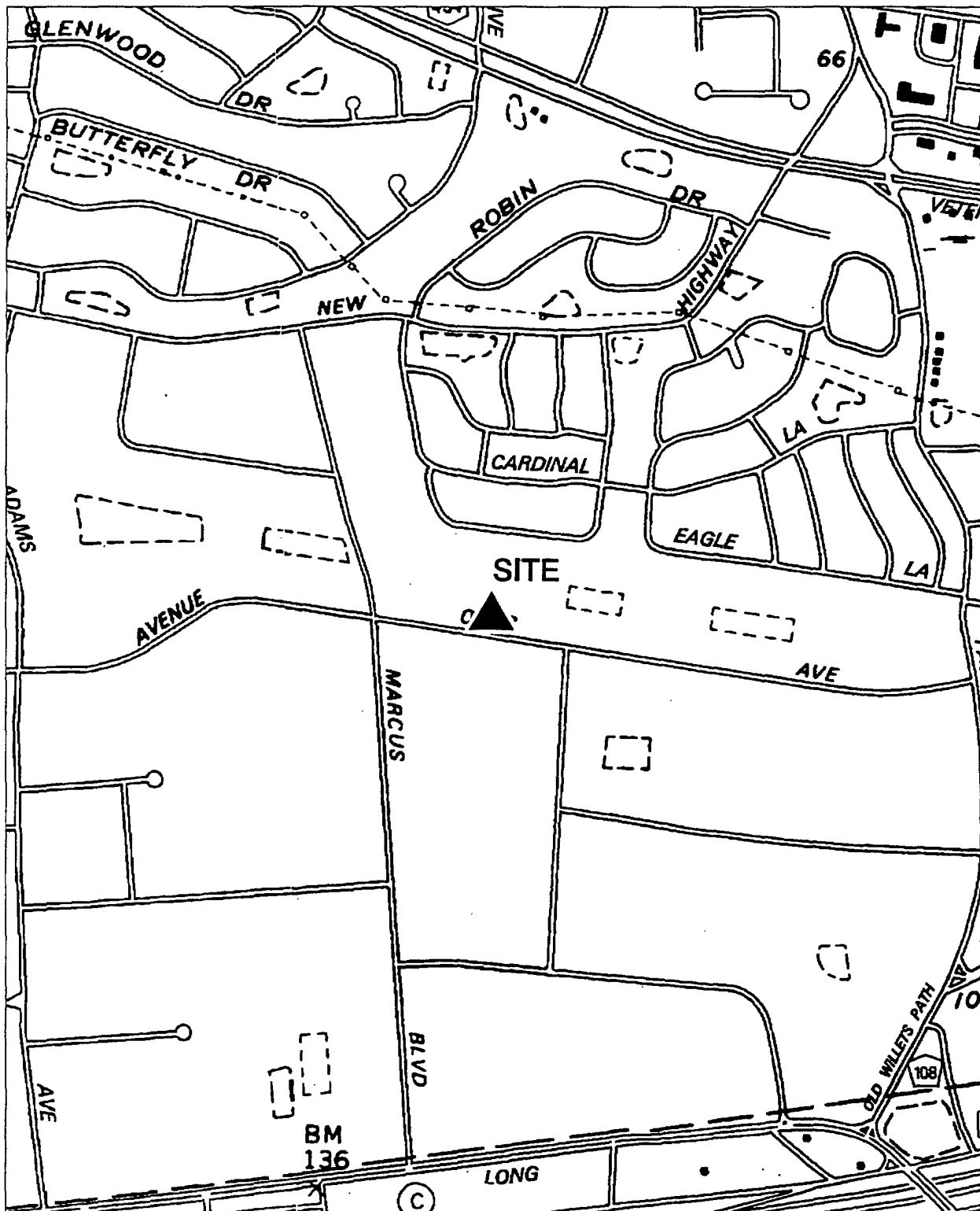
Assessment of Environmental Problems:

The underlying groundwater is contaminated primarily by aromatic volatile organics and various polycyclic aromatic hydrocarbons at concentrations above groundwater standards. A groundwater plume may pass beneath nearby properties. Because groundwater is less than one foot below ground surface, vapors emanating from groundwater are possible.

Assessment of Health Problems:

Inadvertent exposure to contaminated soils on-site is unlikely because the ground surface is covered by gravel and a fence surrounds the site. The potential for exposure to contaminated soils and groundwater exists if excavation is done on-site. Since homes and business near this site are connected to public drinking water, the ingestion of site related contaminants in groundwater is not expected. Further investigations are planned to assess whether contamination in the shallow groundwater has affected indoor air quality at neighboring homes and businesses.

SYL00115469



Site Location Map

152162 100 Oser Avenue

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115470

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: 100 Oser Avenue			Site Code: 152162
Class Code: 2	Region: 1	County: Suffolk	EPA Id: NYD068011543
Address: 100 Oser Avenue / Hauppauge, NY 11788			
Latitude: 40° 49' 3"		Longitude: 73° 14' 40"	
Site Type: Structure		Estimated Size: 2.5 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Anwar Chitayat
Current Owner(s) Address: 100 Oser Avenue / Hauppauge, NY 11788
Owner(s) during disposal: Vanderbilt Industrial Park
Operator(s) during disposal: Sands Textile Finishers, Inc.
Stated Operator(s) Address: 100 Oser Avenue / Hauppauge, NY 11788
Hazardous Waste Disposal Period: From: 1973 To: 1985

Site Description:

From 1973 to 1985, this property was owned by Vanderbilt Industrial Park and occupied by Sands Textile Finishers, Inc., a commercial bulk dry cleaning operation. The property was purchased in 1985 by Mr. Anwar Chitayat through the Suffolk County Industrial Development Agency. Anorad Corp., a manufacturer of positioning equipment, has occupied the Site since 1987. While at this property, Sands Textiles discharged industrial wastes into a 55 gallon drum which discharged to a roof drain system on site. The liquid in this drum contained 100,000 ppb of tetrachloroethylene (PCE). Soil sampled from the roof drain leaching pool was found to contain 12,000 ppm of PCE as well as 70 ppm of trichloroethylene (TCE). Soil samples were acquired from five other potentially contaminated areas at which high concentrations of PCE, TCE and several other volatile organic compounds (VOCs) were detected. Several groundwater monitoring wells, both temporary and permanent, have been installed and sampled at this site. Elevated concentrations of several VOCs have been detected in the groundwater. Most significantly, PCE has been detected in the on-site groundwater at up to 100,000 ppb. Upgradient groundwater is also contaminated by these VOCs, but at much lower concentrations. Public supply wells which are down gradient from this facility have been impacted by VOCs. These wells are presently receiving granular activated carbon treatment. Computer Circuits and Pall-Rai facilities upgradient from 100 Oser Avenue, have possibly contributed to the groundwater contamination in the area. The site has been referred to the State Superfund for a RI/FS and IRM which are currently underway. The IRM consists of a Soil Vapor Extraction system which was installed in September 2000. A remedial investigation for OU-2 began in December 2001 to delineate the off-site impacts to groundwater, soil gas and surface water. Significant amounts of contamination have been found in the groundwater one half mile off site.

Confirmed Hazardous Waste Disposal:

VOCs (solvents) F002 Wastes

Quantity:

unknown

Analytical Data Available for:	Air	Groundwater	Soil
Applicable Standards Exceeded in:	Groundwater	Drinking Water	Surface Water
Geotechnical Information:	Depth to		
Soil/Rock Type: Sand and gravel.	Groundwater: Range: 50 to 75 feet		

Legal Action: Type: State Consent Order	Status: Order Signed
Remedial Action: In Progress	Nature of action: IRM-Soil vapor extraction system.

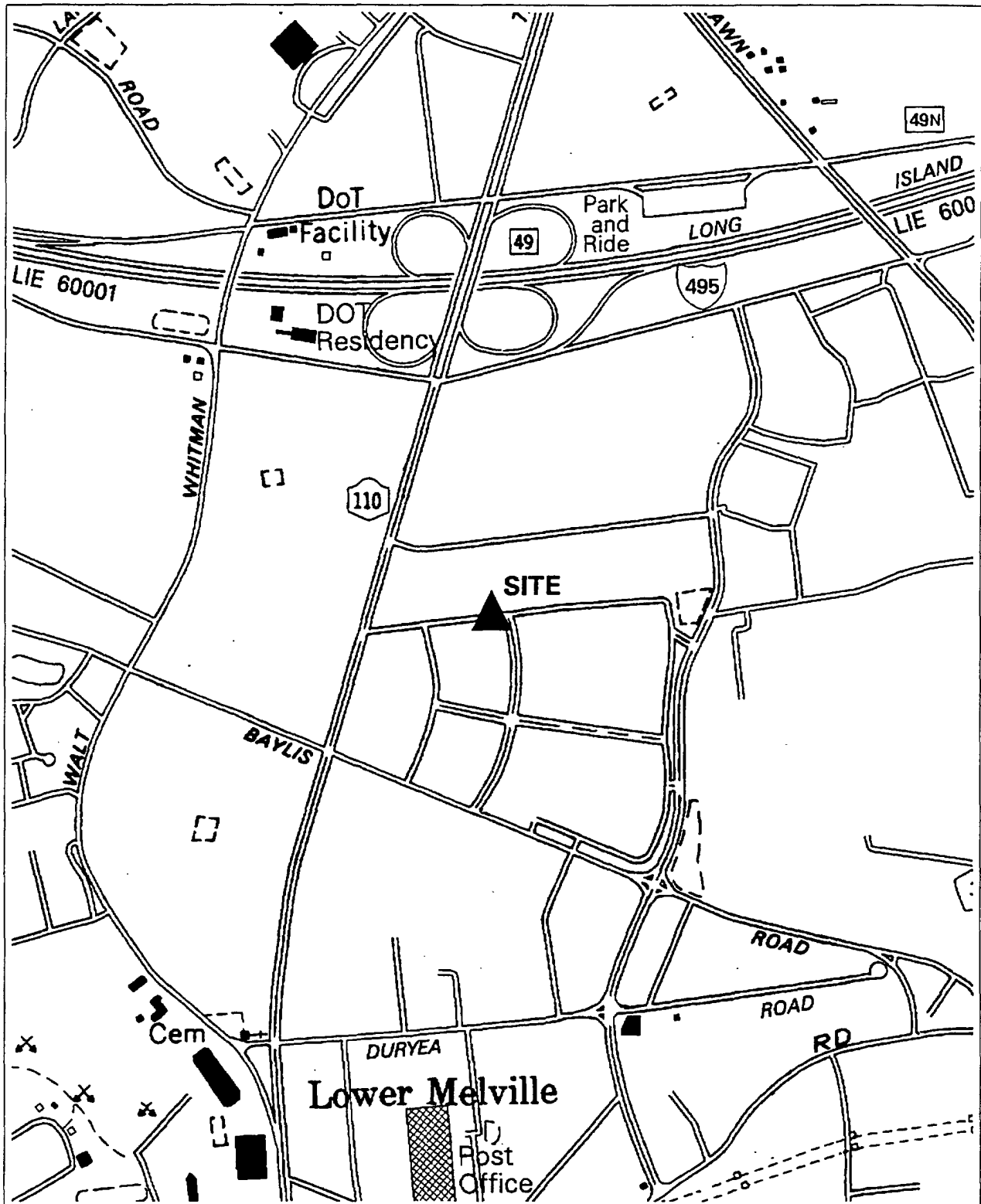
Assessment of Environmental Problems:

The groundwater contamination does extend off site into OU-2, but the DEC hasn't found anything as far as the Nissequogue River yet.

Assessment of Health Problems:

A soil vapor plume has contaminated indoor air in the on-site building and in one neighboring industrial building, but not in nearby homes. Ventilation system adjustments have reduced tetrachloroethene concentrations in the on-site building, but concentrations in the neighboring building remain above the NYSDOH guideline. An upgrade to the existing soil vapor extraction system has been proposed as a solution to the vapor issue. The potential for exposure to site-related soil and groundwater contamination is limited. The contaminated soil is confined to the subsurface beneath buildings and pavement, and the area near the site is served by public water. The nearest public water supply wells, approximately 2,000 feet from the site, are treated to remove volatile organic compounds. Additional investigation is needed to determine the potential for exposure to contaminated groundwater as it surfaces in downgradient ponds and wetlands.

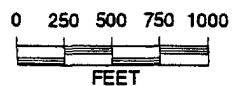
SYL00115471



Site Location Map

152169 New York Twist Drill - Loading Dock Area

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000

April 1, 2002



County: Suffolk

SYL00115472

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: New York Twist Drill - Loading Dock Area			Site Code: 152169
Class Code: 2	Region: 1	County: Suffolk	EPA Id:
Address: 25 Melville Park Road / Melville, NY 11747			
Latitude: 40° 46' 30"		Longitude: 73° 25' 4"	
Site Type: Structure		Estimated Size: 0.19 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: WHCS Melville LLC
Current Owner(s) Address: 600 East Lascolinas Boulevard / Irving, TX 75039
Owner(s) during disposal: unknown
Operator(s) during disposal: New York Twist Drill
Stated Operator(s) Address: 25 Melville Park Road / Melville, NY 11747
Hazardous Waste Disposal Period: From: 1966 To: 1985

Site Description:

The New York Twist Drill loading Dock Area is located in a large industrial area immediately south of the Long Island Expressway in Melville. The building was completely renovated and converted to a two-story office building after New York Twist Drill (NYTD) ceased operations in 1985. NYTD manufactured carbon steel and other hardened metal twist drills. Operations included heat treatment with salt baths, nitriding, and vapor degreasing with chlorinated solvents. A plume of chlorinated solvents consisting primarily of tetrachloroethene originates near the loading dock area on the eastern side of the building. A voluntary cleanup agreement to investigate contamination within the boundaries of the property has been completed. A second voluntary cleanup agreement to remediate contamination within the boundary of the property is now in progress. An investigation is needed to determine the extent of the groundwater plume beyond the boundaries of the property.

Confirmed Hazardous Waste Disposal:

tetrachloroethene (F001 & F002 Waste)
trichloroethene (F001 & F002 Waste)
1,1,1-trichloroethane (F001 & F002 Waste)

Quantity:

unknown
unknown
unknown

Analytical Data Available for:	Air Groundwater Soil
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	
Soil/Rock Type: Sand, gravel and clay.	Depth to Groundwater: Range: 45 to 50 feet.
Legal Action: Type: State Voluntary Order	Status: Order Signed
Remedial Action: Proposed	Nature of action: Remedial Program.

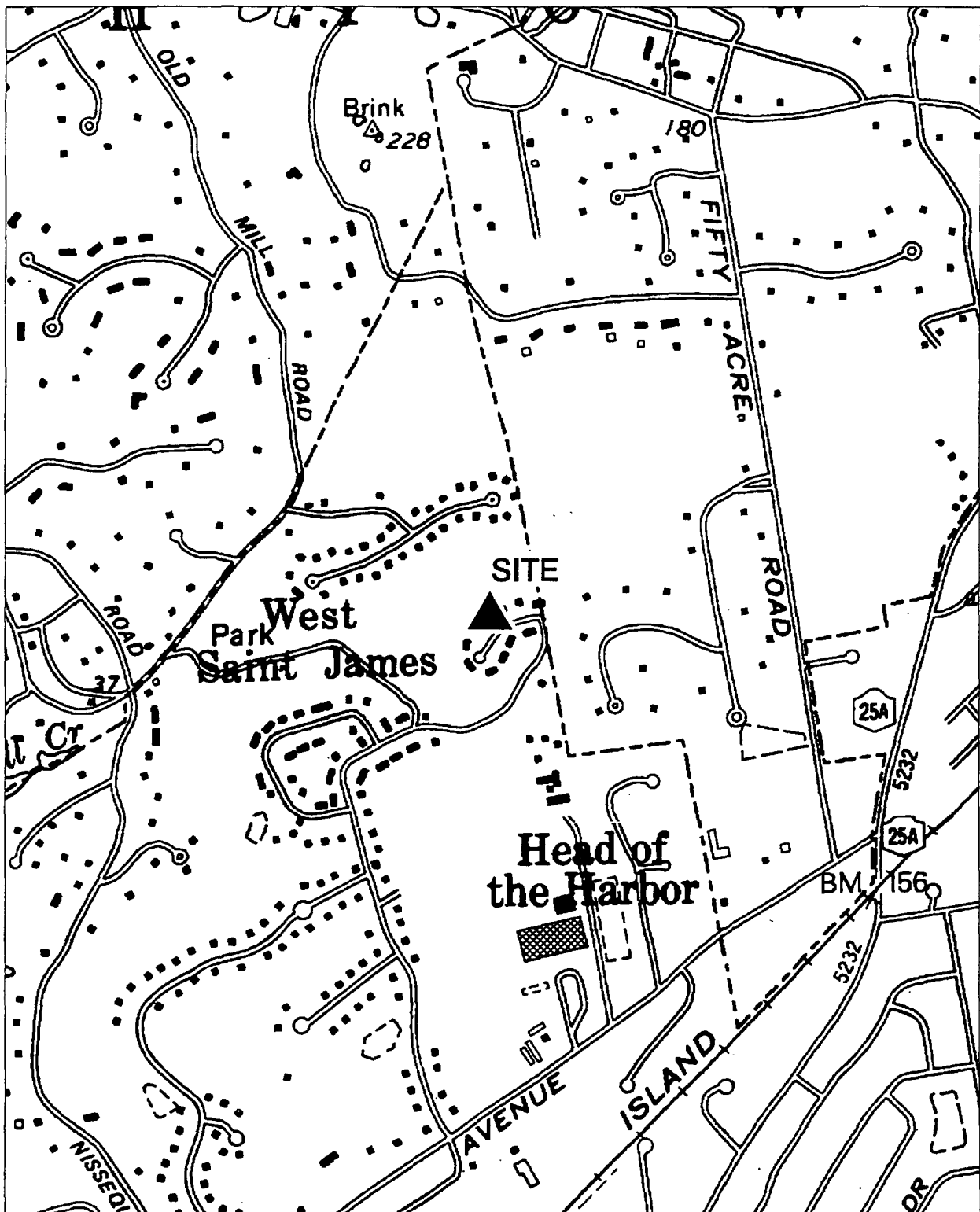
Assessment of Environmental Problems:

The plume of chlorinated solvents, at the source area, has migrated vertically downward from the water table to a depth of approximately 110' - 130' below the water table. The dissolved plume is moving in a south-southeasterly direction from the source area. The dissolved plume extends beyond the area investigated by the volunteer. Further investigation is needed for the off-site plume.

Assessment of Health Problems:

Groundwater is contaminated with tetrachloroethene (PCE) on-site and off-site. Public drinking water wells are located about one-mile downgradient from the site; routine monitoring data from these wells does not indicate impacts from the contamination. Additional investigation is necessary to determine the extent of off-site groundwater contamination. Contaminated subsurface soil is present in some areas of the site; overlying pavement prevents exposure to the soil. Indoor air monitoring data indicate no impact from the subsurface soil contamination.

SYL00115473



Site Location Map

152175 Smithtown Groundwater Contamination

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000
April 1, 2002



County: Suffolk

SYL00115474

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Smithtown Groundwater Contamination	Site Code: 152175
Class Code: 2 Region: 1 County: Suffolk	EPA Id: NY0002318889
Address: / Smithtown, NY 11787	
Latitude: 40° 52' 44" Longitude: 73° 10' 48"	Site is on the EPA - National Priorities List.
Site Type:	Estimated Size: Acres

Site Owner / Operator Information:

Current Owner(s) Name: *** Multiple Site Owners ***
Current Owner(s) Address:
Owner(s) during disposal: *** Multiple Site Owners ***
Operator(s) during disposal: *** Multiple Site Operators ***
Stated Operator(s) Address:
Hazardous Waste Disposal Period: From: unknown To: unknown

Site Description:

The Smithtown Groundwater Contamination site is a contaminated plume of groundwater which has impacted drinking water in the Town of Smithtown in an area that includes the Villages Nissequogue, Head of the Harbor and the Hamlet of St. James. There are approximately 500 homes in the immediate vicinity of the site. The homes in Smithtown use private wells for their drinking water supply and septic systems for sanitary waste disposal. The site is situated south of Stony Brook Harbor and east of the Nissequogue River. While the site is located in a residential area, active commercial areas are located within one mile to the east and south. Analytical data from Suffolk County Department of Health Services (SCDHS) drinking water survey of homes in these areas indicated that several wells were contaminated with volatile organic compounds (VOCs), primarily tetrachloroethylene (PCE). This and subsequent county surveys indicated that 23 residences were contaminated with PCE at concentrations exceeding state and federal safety levels of 5 ppb. In April 1998, EPA sampled 295 homes in the area in an effort to determine the extent of PCE contamination and found unacceptable levels of PCE, or its breakdown products, in 34 residential wells. In July 1998, EPA authorized a Superfund Removal Action at the site. SCDHS has investigated several current and former commercial/industrial facilities east of the site, but has not yet determined the source or sources of the groundwater contamination. The NYSDEC is currently investigating six sites within this site as possible sources of the contamination. This site was added to the National Priorities List (NPL) in 1999. The USEPA has completed the Phase 1 portion of the RI for the site. The Phase II RI work will begin in the spring of 2002.

Confirmed Hazardous Waste Disposal:

Tetrachloroethylene (F001 Waste)

Quantity:

unknown

Analytical Data Available for:	Groundwater
Applicable Standards Exceeded in:	Groundwater Drinking Water
Geotechnical Information:	Depth to
Soil/Rock Type:	Groundwater:
Legal Action: Type:	Status:
Remedial Action: Complete	Nature of action: IRM-Bottled water + filters + main connection.

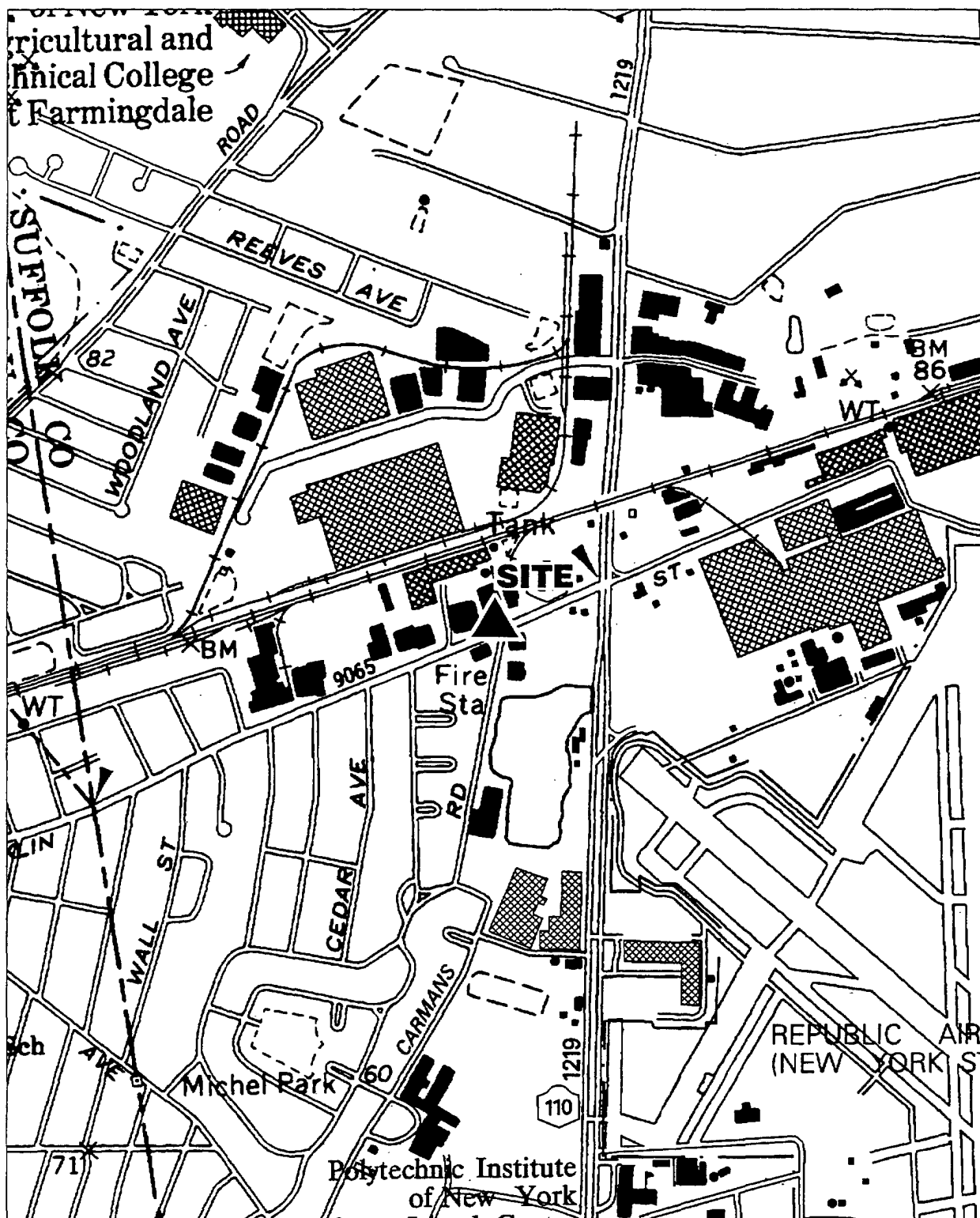
Assessment of Environmental Problems:

Groundwater and residential drinking water wells have been found to be contaminated with PCE and its breakdown products. The residences with drinking water contamination above 5 ppb PCE have been placed on bottled water, connected to public water supplies or have had carbon filters systems attached to their drinking water supply.

Assessment of Health Problems:

The primary human exposure pathway at this site is exposure to volatile organic compounds in private drinking water supplies. Residences where wells have had tetrachloroethene contamination in excess of the USEPA maximum contaminant level have either been provided with household water treatment systems or have been connected to a public water supply. Ongoing monitoring will identify whether there are other residences with contaminated wells. A nearby natural spring is monitored periodically by USEPA or Suffolk County Department of Health Services. To date, volatile organic compounds have not been detected in the spring at concentrations exceeding NYSDOH drinking water standards.

SYL00115475



Site Location Map

152183 Brandt Airflex

Map Source: NYSDOT 1:24,000-scale planimetric quadrangles



0 250 500 750 1000 Feet

Scale: 1:12,000

April 1, 2002

County: Suffolk

SYL00115476

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Brandt Airflex	Site Code: 152183
Class Code: 2 Region: 1 County: Suffolk	EPA Id:
Address: 937 & 965 Conklin Street / West Babylon, NY 11704	
Latitude: 40° 44' 16" Longitude: 73° 25' 33"	
Site Type: Structure	Estimated Size: 2.1 Acres

Site Owner / Operator Information:

Current Owner(s) Name: 937 - 941 Conklin Street Associates
Current Owner(s) Address: 38 Highland Place / Great Neck, NY 11020
Owner(s) during disposal: 937 - 941 Conklin Street Associates
Operator(s) during disposal: Brandt Airflex
Stated Operator(s) Address: 937 & 965 Conklin Street / West Babylon, NY 11704
Hazardous Waste Disposal Period: From: unknown To: 1994

Site Description:

The premises include two single story masonry buildings at 937 and 965 Conklin Street, occupying 1.5 and 0.6 acres, respectively. Both properties are currently occupied by Airflex Industrial Corp. The 937 Conklin Street facility houses a light manufacturing operation involved in the business of architectural and ornamental metal working. The majority of the products are decorative metals such as brass, aluminum, and stainless steel which do not require chemical coatings or treatment. As such, the design and metal working processes are completed on site without the use of chemicals. Finishing, if required, is performed off site by subcontractors. The 965 Conklin Street property is used for the packaging and storage of finished ornamental metal products prior to shipping. The property to the west of 937 Conklin is occupied by a mix of small commercial/industrial tenants. Paints, waste oils, and chlorinated solvents were apparently spilled within the drainage area of storm drains/drywells on the paved parking/receiving area of the subject site. These premises, as well as properties to the north and west, were at one time under single ownership and engaged in textile related operations. One of the aforementioned parcels is believed to have been occupied by Kenmark Textile. Historical records for the Kenmark Textile site documents the use and outdoor storage of solvents at their property. A couple of on-site drywells were cleaned out under the direction of the Suffolk County Department of Health Services. The soils were excavated to the extent practical, however, subsequent groundwater sampling below and downgradient of one of the wells encountered VOCs at levels well above their relevant NYS standards.

Confirmed Hazardous Waste Disposal:

Trichloroethene (FOO1 Waste)
Tetrachloroethene PCE, (F001 Waste)
cis -1,2-dichloroethene

Quantity:

unknown
unknown
unknown

Analytical Data Available for:	Groundwater Soil
Applicable Standards Exceeded in:	Groundwater
Geotechnical Information:	Depth to
Soil/Rock Type: Sand and gravel.	Groundwater: Range: 20 to 25 feet.
Legal Action: Type:	Status:
Remedial Action: Complete	Nature of action: Soil removal.

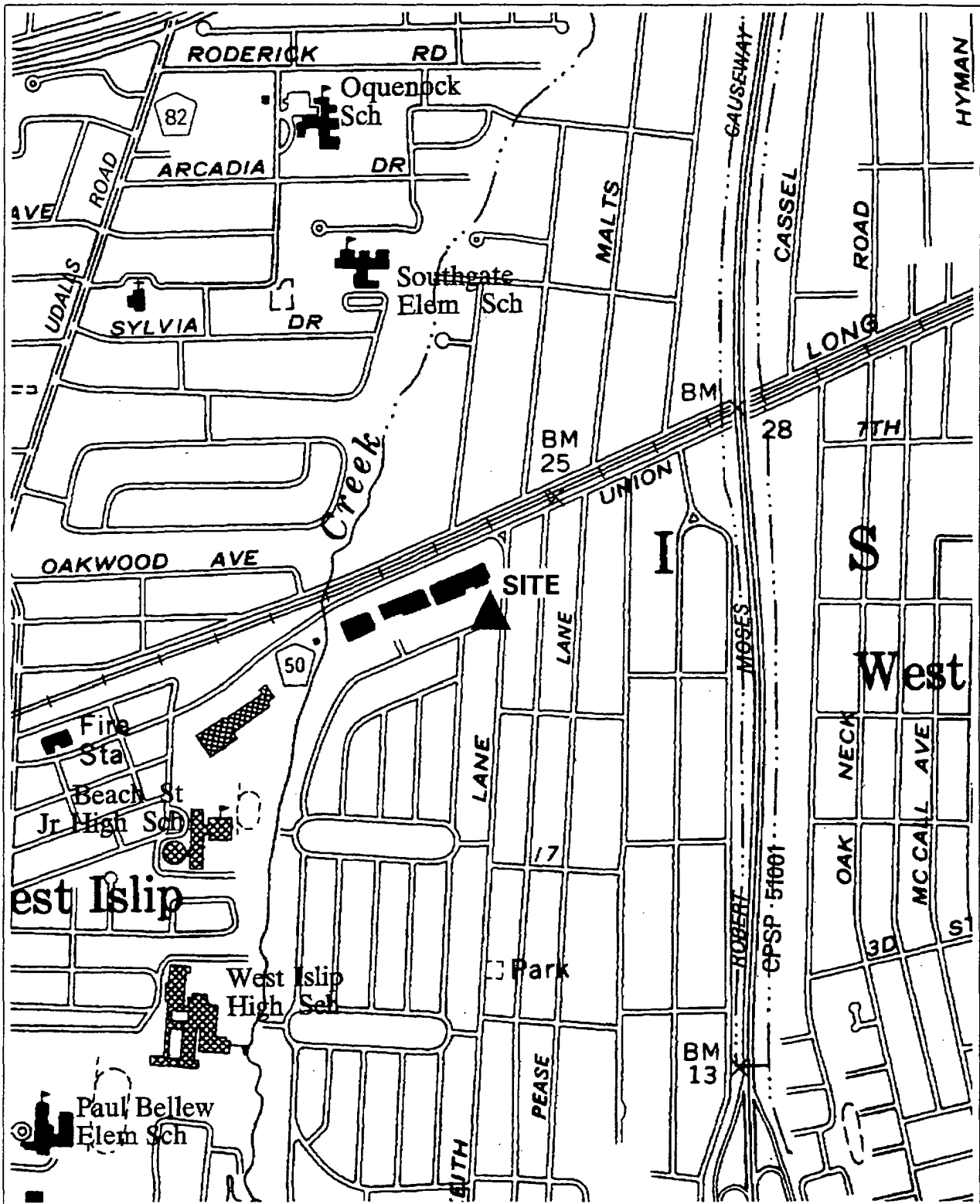
Assessment of Environmental Problems:

High levels of chlorinated solvents in the soil has produced significant concentrations in the groundwater.

Assessment of Health Problems:

The area is mixed residential and commercial, with the residences located south of the site. Groundwater flows south, southwest and is twenty-four feet deep. Public water serves the area and is regularly monitored. Therefore, exposure to contaminated groundwater is not expected. All other potential exposure routes will be assessed during the forthcoming investigation.

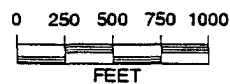
SYL00115477



Site Location Map

152184 Moms Cleaners

Map source: NYSDOT 1:24,000-scale planimetric quadrangles



Scale 1:12,000
April 1, 2002



County: Suffolk

SYL00115478

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Disposal Report

April 1, 2002

Site Name: Mom's Cleaners			Site Code: 152184
Class Code: 4	Region: 1	County: Suffolk	EPA Id: NYD981131923
Address: 556 Union Boulevard / West Islip, NY 11795			
Latitude: 40° 42' 32"		Longitude: 73° 17' 41"	
Site Type: Lagoon		Estimated Size: 0.12 Acres	

Site Owner / Operator Information:

Current Owner(s) Name: Delilah Realty c/o Moritt, Hock & Hamroff
Current Owner(s) Address: 400 Garden City Plaza - Suite 201 / Garden City, NY 11530
Owner(s) during disposal: Gordon Broadway Corporation
Operator(s) during disposal: Mom's Cleaners
Stated Operator(s) Address: 556 Union Boulevard / West Islip, NY 11795
Hazardous Waste Disposal Period: From: 1993 To: 1997

Site Description:

This former dry cleaning facility is located on the corner of Keith Lane and Union Boulevard, in the Captree shopping center, which includes four retail establishments. The company vacated in July 1997. Due to a gasoline spill investigation at Lou's Gulf, a nearby "former automotive repair facility / gasoline and diesel fuel dispensing station" chlorinated solvents were uncovered. The sources of contamination were determined to be the dry cleaning unit and the former septic tank, both of which were remediated by the property owner in September and October 1997. Prior to this, in August 1997, tetrachloroethene (PCE) levels in these areas were 1000 and 670 ppb respectively. However, one of the soil borings (SB-11) sampled in October 1998 showed that residual PCE contamination (215 ppb) remained. Also, recent groundwater sampling indicated that two monitoring wells, MW #6 and MW #9, situated downgradient of the dry cleaning unit contained elevated levels of PCE. For both wells, the latest sampling data shows a decrease in comparison to the earliest results. Nevertheless, a consistent and clear trend is not yet apparent. For example, the PCE levels appear to have decreased then increased again: it has reduced from 212 ppb for well #6, but had increased from 25 ppb to 115 ppb (5/1999) for well #9 and was at the same 25 ppb level prior to the latest sampling. Also, in one instance (February 1999) PCE was measured at less than 1 ppb for both wells, but those were the only results that showed a clear order of magnitude reduction, and it was not duplicated in later testing. In well MW #6, the PCE derivative vinyl chloride did show a marked decrease from 240 ppb to 3 ppb.

Confirmed Hazardous Waste Disposal:
tetrachloroethene (F002 Waste)

Quantity:
unknown

Analytical Data Available for:	Groundwater	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater		
Geotechnical Information:		Depth to	
Soil/Rock Type: Medium to coarse sand and gravel.		Groundwater: Range: 1 to 5 feet.	
Legal Action: Type:		Status:	
Remedial Action:		Nature of action:	

Assessment of Environmental Problems:

Soil and groundwater data suggest that PCE was disposed or spilled at this facility. Some remediation was conducted but residual contamination remains.

Assessment of Health Problems:

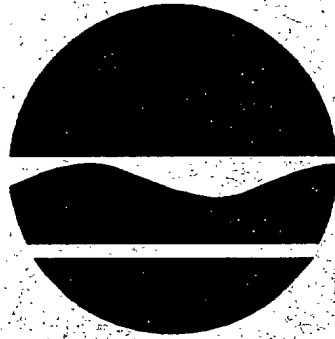
Soil and groundwater at the facility are contaminated with tetrachloroethene. Concentrations have decreased after removal of contaminated materials from the site. Groundwater monitoring is continuing. The area is served by public water and there are no known water supply wells near or downgradient from the site.

SYL00115479

SYL00115480

ADDENDUM TO
HAZARDOUS SUBSTANCE WASTE
DISPOSAL SITE STUDY

December 1, 1998



Prepared by:

New York State
Department of Environmental Conservation
Hazardous Substances Waste Disposal Task Force
50 Wolf Road, Albany, New York 12233-7010
John P. Cahill, *Commissioner*

In Consultation with:

New York State Department of Health
Barbara A. DeBuono, M.D., M.P.H., *Commissioner*

SYL00115770

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APPENDICES

- APPENDIX A - Sites considered for the study which are not currently part of the active database
- APPENDIX B - Active database of hazardous substance waste disposal sites in New York, September 1998
- APPENDIX B - Annotated - Active database of hazardous substance waste disposal sites with descriptions, September 1998
- APPENDIX C - List of Contaminated Aquifer Segments
- APPENDIX D - Cost Estimate Worksheets

1.0 Introduction

This addendum report was compiled to provide an update to the June 13, 1995 *Report on Hazardous Substance Waste Disposal Site Study*. While there was no directive that required an update to the study, the Department of Environmental Conservation determined that the maintenance of the inventory database was necessary to continue to provide the Legislature and the public with the evolving status of hazardous substance waste disposal sites in New York.

On March 14, 1994, the Governor of New York State signed into law amendments to the Environmental Conservation Law (ECL) and Public Health Law that required the New York State Department of Environmental Conservation (DEC), in consultation with the New York State Department of Health (DOH), to conduct a "Hazardous Substance Waste Disposal Site Study." The purpose of the study was to estimate the number of and cost to remediate the hazardous substance waste disposal sites located in New York State. Under current law, the DEC may use monies in the Hazardous Waste Remedial Fund (commonly called the State Superfund) to remediate sites at which hazardous waste, as that term is defined in Title 13 of Article 27 of the ECL, was disposed. The definition of hazardous waste includes certain materials which are generated from industrial processes listed in the DEC's regulation, including discarded off-specification commercial chemical products, or materials which are wastes that exhibit certain hazardous waste "characteristics" identified in the regulations. The manufacturing processes listed in the regulations are ones currently used. Thus, some wastes which are no longer generated because the particular process that generated them no longer is used are hazardous only if they exhibit a hazardous waste characteristic. Currently, hazardous substance waste disposal sites are not eligible for Superfund funding and Title 13 provides no authority to cause responsible parties to remediate them.

If the waste disposed at a site is *not* a characteristic or listed hazardous waste under the DEC's hazardous waste management regulatory program's regulations, the site may *not* be remediated using State Superfund monies. Unfortunately, some hazardous substance waste disposal sites may pose threats to public health or the environment which may rival those posed by some hazardous waste disposal sites. In such a situation, other avenues of legal redress must be pursued. In many cases, other sections of the ECL provide DEC with the authority to require remediation of these sites. In addition, local government may exercise its own powers to protect its citizens. These other programs in most instances do not have money to address sites where there is no viable responsible party available to remediate the site.

The definition of a hazardous *substance* -- set forth in ECL 37-0103, is broader than that for hazardous waste and encompasses hazardous waste. The definition of a hazardous waste is based on the Federal Resource Conservation and Recovery Act (RCRA), which is designed for the regulation of wastes generated by current manufacturing processes. On the State level, this definition is found in Part 371 promulgated pursuant to ECL Article 27, Title 9. For a waste to qualify as a hazardous waste, it must be specifically listed in Part 371, be a waste product of an industrial process listed in Part 371, be a discarded off-specification commercial chemical product listed in Part 371 or exhibit one or more specific characteristics of a hazardous waste

described in Part 371. Characteristics of a hazardous waste include: ignitability, corrosivity, reactivity, or toxicity due to leaching potential.

For the purposes of the amendment, "hazardous substance" means any substance which appears on the list promulgated pursuant to ECL 37-0103, provided that the term "hazardous substance" does not include: petroleum, crude oil and fractions thereof, natural gas and synthetic gas usable for fuel, residues of emissions from engine exhaust and most nuclear materials. The list of hazardous substances is included in 6 NYCRR Part 597 entitled "Chemical Bulk Storage: List of Hazardous Substances," dated August 11, 1994.

The purpose of the Hazardous Substance Waste Disposal Site Study was to assess the scope of hazardous substance waste disposal sites located in New York State. In order to evaluate this need, three things were considered: the number of disposal sites which contain hazardous substances, how many of those sites are likely to pose a significant threat to the public health or environment, and the cost of investigating and cleaning up the sites that pose a significant threat. For many of the sites included in the study, the DEC, DOH or other nominating party often relied on very limited data. This study should be considered a preliminary estimate of sites which may require further investigation and/or remedial action.

Several categories of hazardous substance waste disposal sites were examined for this study. These categories are: sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites, construction and demolition debris dumps, locations where illegal disposal is suspected, former manufactured gas plants, municipal landfills and any other known or suspected disposal sites. Some waste categories have been excluded because they are managed under different laws and regulations such as the Atomic Energy Act, the DEC's hazardous waste management regulatory program and Article 17 of the ECL.

The June 13, 1995 Final Report details the study methodology and public outreach program. This addendum describes changes that have been made to the site inventory and cost estimates since the publication of the final report and is meant to supplement, not duplicate, the original study. This update did not include the public outreach of the original study, except to the extent that information was sent to the Department. This update primarily summarizes inter-agency information obtained from the Department of Health and DEC Regional staff in the Divisions of Environmental Remediation (DER), Solid and Hazardous Materials (DSHM) and Water (DOW).

2.0 Inventory Summary

The original study effort included a review of 1138 sites. Since the publication of the final report, 4 additional sites were considered for inclusion to the study inventory. Each of the sites were reviewed for:

- 1) evidence or suspicion of disposal of a qualifying substance;
- 2) whether or not the disposal is considered consequential and therefore potentially likely to present a significant threat;
- 3) whether or not there is documentation that the waste disposal concerns have been addressed through investigation and/or remediation; and,
- 4) whether the nature of the wastes or site operations are regulated by a specific DEC program or program of another agency.

Sites which contain or are suspected of containing a consequential amount of hazardous substance wastes and for which there is a lack of regulatory authority to compel or fund a cleanup, are maintained in the active hazardous substance site database. As of the publication of this addendum, 296 sites remain in this database. Sites have been removed from the active database for several major reasons:

- 1) the site contained wastes which were excluded from the study;
- 2) the site showed no evidence or no plausible suspicion of disposal;
- 3) the site clearly did not meet the threshold for significant threat;
- 4) the site has been remediated or otherwise addressed; or,
- 5) the site is regulated by one of the programs in this agency or another Federal or State agency.

All of the sites that have been considered but are not included in the active database are listed in Appendix A. The sites that are in the active database are listed in Appendix B.

3.0 Cost Considerations

For an inactive hazardous waste disposal site to be eligible for remediation using State Superfund money, the site must present a significant threat to public health or the environment. Significant threat is defined in 6 NYCRR Part 375 entitled "Inactive Hazardous Waste Disposal Site Remedial Program," dated May 1992. This same set of criteria was used to determine if hazardous substances waste disposal sites posed or are likely to pose a significant threat. Each site was reviewed to determine if the waste present posed a significant threat to public health or the environment. Since information, most importantly environmental sample data, was often incomplete, determinations were made as a percent level of probability that further investigation would result in a finding that a significant threat is posed. The level of probability was based, when available, on site data. When data was lacking or sparse, probability of significant threat was estimated based on staff experience and by comparing sites with similar sites in that category.

Sites were categorized into one of the following significant threat determination categories:

- Significant threat confirmed (100%)
- High probability that significant threat would be confirmed (75%)
- Significant threat confirmation possible (50%)
- Low probability that significant threat would be confirmed (25%)
- Minimal probability of significant threat confirmed (these sites are not included in the active inventory)

These probabilities were used to estimate the number of sites in each category which may ultimately be found to pose a significant threat, and therefore may require remediation.

One of the most important products of the study was an estimate of the cost of remediating the sites in the inventory. A description of the methodology used to estimate the average cost of remediation by category is included as Appendix D. As described in the Appendix, the costs were based on actual and projected numbers for similar sites. The costs for each category are:

- | | |
|---|-------------------------|
| ● Industrial sites | \$3,800,000.00 per site |
| ● Landfills (all types) | \$209,000.00 per acre |
| ● Coal Tar Sites
(includes Wood Tar Sites) | \$6,000,000.00 per site |
| ● Other sites | \$3,800,000.00 per site |

To estimate the potential range of sites in each category that could require remediation (over and above those with significant threat already confirmed), the probabilities were totaled. To estimate the high end of the range, all of the sites with a probability of 75%, half of the sites with a probability of 50% and one quarter of the sites with a probability of 25% were assumed to

require remediation. To estimate the low end of the range, three quarters of the sites with probabilities of 75%, half of the sites with probabilities of 50%, and none of the sites with probabilities of 25% were assumed to require remediation. Once the range of sites has been estimated, the estimated cost for each category is calculated by multiplying the estimated number of sites by the cost per site. The total costs per category are discussed in Sections 4.1 to 4.5. Additionally, they are summarized in Section 5.0.

The remedial cost for the landfill category was based on a per acre cost. The range of potential sites that could require remediation was determined as above using the number of acres that have probabilities of 75, 50 and 25%. Again, an estimated cost for the category was calculated by multiplying the number of acres by the per acre cost.

Simply multiplying all the sites in the inventory by the full remediation cost appropriate for the category would provide a grossly inflated figure.

For the sites where the probability of a significant threat is less than 100%, an investigation cost of \$106,000 was added to the cost of remediation. This cost is based on recent average costs for Preliminary Site Assessments that are conducted by the Bureau of Hazardous Site Control in the Division of Environmental Remediation. This figure is in line with the cost approximated by the DOW for sites with no known source.

As part of the study, possible funding sources other than State funds were identified. These are discussed in each of the individual categories. In general other funding sources include:

- the responsible party or parties;
- Federal Superfund money for National Priorities List (NPL) sites;
- Federal Superfund Emergency Response money; and,
- the Voluntary Cleanup Program.

The largest source of funding identified is the responsible party. The other sources tend to be rather limited except in special circumstances. It has been the DEC's experience to date that the share of the remedial costs which has been borne by the responsible parties for hazardous waste sites undergoing remediation in the Superfund Program is approximately 66% of the total costs. This level of responsible party funding may be too high for hazardous substance waste disposal sites, because it is likely that there will be a larger proportion of "orphan" sites or sites without viable responsible parties. While the responsible party funding goal for all of the sites in the study is 100%, this may not be achievable. The levels of responsible party funding have been estimated to provide the Legislature with conservative but not unrealistic cost projections.

4.0 Site Evaluations

4.1 Construction and Demolition Debris Sites

Construction and demolition (C&D) debris sites have been the subject of other DEC investigations. While Part 371 hazardous waste disposal has not been confirmed except in a limited number of cases, many hazardous substances have been identified. Sixty-five (65) sites were originally evaluated. Twenty-four (24) C&D sites remain in the inventory. Of these none is known to pose a significant threat, but 8-12 could likely have significant threats confirmed after further investigation. The total cost of remediation for these sites is estimated at \$13-22 million.

Several C&D sites have been the subject of enforcement efforts. These efforts often meet with only limited success even when responsible parties are identified. Some C&D sites could be eligible for Federal Superfund Emergency Response money if the threat posed is determined to meet Federal parameters. If the land is desirable for development, C&D sites could be funded through a voluntary cleanup effort. It is estimated that the responsible party share of remediation costs for C&D sites is approximately 25-50%.

4.2 Industrial Sites

Industrial sites include a variety of sites. This category is divided into three subcategories: spills; leaks from tanks, drums, lagoons or other containers; and other industrial sites. Three hundred fifty (350) industrial sites were evaluated; 91 currently remain in the inventory. Three (3) of these sites have confirmed significant threat. These are listed in Table 1. Industrial sites which were identified as requiring remediation in the 1995 Final Report which have since been remediated or transferred to another program are listed in Table 2. Based on the probability assigned to each site, 31-45 more could likely have threats confirmed after further investigation. The estimated cost to investigate and remediate these industrial sites is approximately \$132-188 million.

It is possible that the level of responsible party funding could constitute a ratio approximately equal to the responsible party level of funding attained under the State Superfund program. This ratio is approximately 66% funded by private funds. However, this ratio may be optimistic. Based on the mix of sites and responsible parties it is estimated that approximately 50% of the remediation costs in this category would be funded by responsible parties. Some industrial sites could be eligible for Federal Superfund money, as in the case of Forest Glen and other NPL sites which were not originally eligible to be NYS Registry sites. Some industrial sites could be funded through Federal Superfund Emergency Response money. If the land is desirable for development or otherwise valuable, remediation could be also funded through a voluntary cleanup effort.

TABLE 1 - INDUSTRIAL SITES REQUIRING REMEDIATION

Site Name	Region	County	Site Category ¹
Target Rock Corp.	1	Suffolk	1B
64 th Street North	9	Niagara	1
Weston Mills	9	Cattaraugus	1A

TABLE 2 - INDUSTRIAL SITES WHICH HAVE BEEN MODIFIED OR REMOVED FROM THE INVENTORY

Site Name	Region	County	Site Category	Reason for removal from Inventory
Mackenzie Chemical	1	Suffolk	1B	Class 2 Registry Site
Lumelite Plastics Corp.	3	Dutchess	1A	Remediated Site
Doehler-Jarvis Castings	8	Genesee	1B	Investigated and found not to present a significant threat

4.3 Coal Gasification/Wood Tar Sites

A separate category of industrial sites includes coal gasification sites and wood tar sites. Such sites have not been operated for decades and because of this, the wastes produced at these sites were not considered during the promulgation of the definition of hazardous waste under RCRA. One hundred thirty (130) coal tar sites (primarily former manufactured gas plants) and 44 wood tar sites were evaluated while 27 coal tar sites and 40 wood tar sites remain in the inventory. One (1) coal tar site has confirmed significant threat. After further investigation another 15-20 could likely have significant threats confirmed. The estimated cost to investigate and remediate coal tar sites is approximately \$101-125 million. One (1) wood tar site has confirmed significant threat and 19-20 others could likely require remediation, for a total cost of \$121-125 million. Sites requiring remediation are listed in Table 3. Coal and wood Tar sites which were identified as requiring remediation in the 1995 Final Report which have since been remediated or transferred to another program are listed in Table 4. Many of the manufactured gas plants identified in the draft study were removed from the inventory because the sites were part of voluntary consent orders between the utilities and the Department.

Additionally, several of these sites have become eligible for inclusion on the Registry of Inactive Hazardous Waste Sites due to the State's adoption of the Federal TCLP (Toxicity Characteristic Leaching Procedure) which became effective January 14, 1995. At the time of the Study in 1994-1995, no specific effort had been made to exclude sites from the inventory if they

¹ 1 = Industrial Site, 1A = Industrial Spill, 1B = Leaking Tanks, Drums, Lagoons or other Containers

had wastes that will likely fail TCLP testing. While TCLP could affect all of the categories, it is likely that manufactured gas plants would see the greatest impact. Most coal tar sites contain wastes which fail for TCLP benzene, thus making the sites eligible for inclusion on the New York State Registry of Inactive Hazardous Waste Sites. It is estimated that there are many more coal tar sites which are currently undiscovered. As new sites come to the attention of the utility companies and the Department, these sites will be addressed under the Department's current authority to investigate and remediate inactive hazardous waste sites.

Many manufactured gas plant sites are now eligible for State Superfund money based on the results of the hazardous waste characteristic testing. It is expected that many more will become eligible. Manufactured gas plant sites could also be eligible for Federal Superfund money, Federal Superfund Emergency Response money or if the land is desirable for development, the subject of a voluntary cleanup effort. It is expected that the cost of cleaning up the coal gasification sites would largely be the burden of the gas and electric utility companies which are the successors of the gas companies which generated the wastes. Many of the wood tar sites are considered orphan sites with no identifiable or viable responsible parties.

TABLE 3 - COAL TAR/WOOD TAR SITES REQUIRING REMEDIATION

Site Name	Region	County	Site Category ²
RG&E, Front Street ³	8	Monroe	2A
Roscoe	3	Sullivan	2B

TABLE 4 - COAL TAR/WOOD TAR SITES WHICH HAVE BEEN REMOVED FROM THE INVENTORY

Site Name	Region	County	Site Category	Reason for removal from Inventory
LILCO, Hempstead Gas Plant	1	Nassau	2A	Potential Registry Site ⁴
LILCO, Sag Harbor Gas Plant	1	Suffolk	2A	Class 2 Registry Site
Former ConEd, Pelham Manor	3	Westchester	2A	Potential Registry Site
CHG&E, Beacon Site	3	Dutchess	2A	Potential Registry Site
NiMo, Hudson	4	Columbia	2A	Potential Registry Site
NY Emulsions Tar Products	6	Oneida	2A	Class 2 Registry Site

²2A = Coal Gasification Site, 2B = Wood Tar Site

³Voluntary Cleanup Agreement under negotiation

⁴Qualifies for investigation under the Inactive Hazardous Waste program due to the knowledge or suspicion of the disposal of hazardous waste.

4.4 Landfills/Dumps

This category is divided into two main categories; landfills which contain primarily municipal wastes and landfills which contain primarily industrial wastes. Two hundred thirty-one (231) municipal landfills and 169 industrial landfills were originally evaluated. Fifty-four (54) municipal landfills and 38 industrial landfills remain in the inventory. The municipal landfills identified are ones considered to have ongoing problems such as leachate outbreaks and/or closure problems. Three (3) municipal landfills have confirmed significant threat, while 17-25 others are likely to be found to present a significant threat once further investigations are conducted. Four (4) industrial landfills have confirmed significant threat, while 10-16 others are likely to present a significant threat. The total cost of investigating and remediating the landfills is \$115-198 million; \$90-156 million for sites primarily containing municipal waste and \$25-42 million for sites primarily containing industrial waste. Landfills requiring remediation are listed in Table 5. Landfills which were identified as requiring remediation in the 1995 Final Report which have since been remediated or transferred to another program are listed in Table 6.

Municipal landfills/dumps are regulated by DEC's Division of Solid and Hazardous Materials (DSHM), formerly the Division of Solid Waste (DSW). DSHM relies on enforcement actions with the municipalities or private parties to initiate landfill closures. Various funding programs have been or are currently available for properly closing municipal landfills. Under Title 3 of the Environmental Quality Bond Act, municipal landfills which are Class 1 or 2 hazardous waste sites are funded at a level of 75% State share and 25% municipal share of the remediation costs. Under Title 5, non-hazardous landfills were funded at a 50/50 share with a \$2 million cap on the State's share. Under the Environmental Protection Fund, \$13 million was allocated for landfill closure projects under the Landfill Closure State Assistance Program for 1998. This program provided funding at 50/50 share with a \$2 million per project cap on the State's share. Communities with a population of less than 3500, could be eligible for up to 75% funding from the State, but this is also subject to a \$2 million per project cap on the State's share. The program also makes interest free loans available to small communities for up to 20 years. Depending on the eligibility and availability of these or similar funding sources, the municipal share of remediating non-hazardous waste landfills could range from 50-100%.

Industrial landfills may be eligible for Federal Superfund money, Federal Superfund Emergency Response money or if the land is desirable for development, the subject of a voluntary cleanup effort. It is estimated that the cost of cleaning up municipal landfills would largely be funded by the municipality. It is estimated that the cost of cleaning up industrial landfill sites would be funded by the responsible party at approximately 25-50% of the total cost.

TABLE 5 - LANDFILLS REQUIRING REMEDIATION

Site Name	Region	County	Site Category ⁵
Port Chester Harbor	3	Westchester	3B
Six Town Landfill	7	Tioga	3A
Greece Landfill - Flynn LF	8	Monroe	3A
Hornell Street Extension	8	Steuben	3B
ABC Paving	9	Erie	3B
Houghton Park	9	Erie	3B
Mina Landfill	9	Chautauqua	3A

TABLE 6 - LANDFILLS WHICH HAVE BEEN REMOVED FROM THE INVENTORY

Site Name	Region	County	Site Category	Reason for removal from Inventory
New Hartford Village Dump	6	Oneida	3A	Registry Site
Cole Road Dump	8	Wayne	3A	Registry Site
Trimmer Road Landfill	8	Monroe	3A	Registry Site
Hartwell Street Landfill	9	Erie	3B	Remediated Site
Marilla Town Landfill	9	Erie	3A	Remediated Site
Peter Cooper Site/Gowanda	9	Cattaraugus	3B	NPL/Registry Site

⁵3A = Municipal Landfill, 3B = Industrial Landfill

4.5 "Other" Sites

This category included sites which did not fit into any of the other categories. A variety of sites are included in this category, including areas of residential development, mines and mine tailings sites, gun clubs, and auto/truck maintenance garages, for example. One hundred fifty-two (152) sites were evaluated, 22 sites remain in the inventory. Two (2) sites have confirmed significant threat, while 4-9 others could likely have significant threats confirmed. The estimated average cost for remediating this category is assumed to be the same as the one used for the industrial site category, which also includes a variety of large and small sites with various contamination sources. The cost of remediating these sites is estimated to be \$25-42 million. The sites in this category requiring remediation are listed in Table 7.

As estimated for the other categories with a mix of sites and responsible parties, the level of responsible party funding is assumed to be 25-50%. Some of these 'other' sites could be eligible for Federal Superfund money, Federal Superfund Emergency Response money or if the land is desirable for development or otherwise valuable, funded through a voluntary cleanup effort.

TABLE 7 - 'OTHER' SITES REQUIRING REMEDIATION

Site Name	Region	County	Site Category ⁶
Arsenic Mines Site	3	Putnam	5
DeLuca Farms	3	Putnam	5

⁶5 = Other

5.0 CONCLUSIONS

At the time of the publication of this addendum, the active Inventory of Hazardous Substances Waste Disposal Sites includes 296 sites, of which 14 were determined to meet the significant threat threshold and an additional 104-147 could likely be found to pose a significant threat upon the completion of further investigation. These sites are distributed across five main categories. Table 8 summarizes the investigation and remediation costs.

TABLE 8 - COST SUMMARY

Site Category	Number of Sites	Number of Sites Requiring Remediation	Potential Number of Additional Sites Requiring Remediation	Estimated Range of Investigation and Remediation (Cost in \$Million)	Estimated Responsible Party Share in percent	Estimated Cost to State (Cost in \$Million)
1	91	3	31-45	\$132-188	~50	\$66-94
2A	27	1	15-20	\$101-125	~100	\$0
2B	40	1	19-20	\$120-125	~0	\$120-125
3A	54	3	17-25	\$90-156	50-100 (75)	\$22-39
3B	38	4	10-16	\$25-42	25-50 (37.5)	\$16-26
4	24	0	8-12	\$13-22	25-50 (37.5)	\$8-14
5	22	2	4-9	\$25-42	25-50 (37.5)	\$16-26
Aquifers	(20) ⁷	?	?	\$2.0	0	\$2.0
Total	296	14	104-147	\$508-702 million	0-100%	\$252-326 million

Site Category Legend -

1 - Industrial Sites
 2A - Coal Tar Sites
 2B - Wood Tar Sites
 3A - Municipal Landfills

3B - Industrial Landfills
 4 - Construction and Demolition Debris Sites
 5 - Other

The combined estimated cost for investigating remediating 118-161 sites which pose or may be found to pose a significant threat ranges from \$508 million - 702 million. This figure includes the cost of investigating or otherwise inspecting 282 sites (\$11 - \$15.5 million). Secondly, as part of investigation efforts, an additional \$2.0 million is needed to evaluate contaminated aquifer segments with no known source. Of this total, after evaluating other potential sources of funding, the cost to the State is estimated to range from \$252-326 million.

⁷Not included in the total number of sites

APPENDIX A

SITES CONSIDERED FOR THE STUDY WHICH ARE NOT CURRENTLY PART OF THE ACTIVE DATABASE

SYL00115784

Site Name	Site Number	Region	County	Reason
Manderville Plant		0		Site location unknown
Pine's Switch Plant		0		Site location unknown
Vandalia Chemical Co.		0		Site location unknown
110 Sand Company		1	Suffolk	Actively managed by DSW
A & G Materials		1	Suffolk	Does not pose significant threat
Baron Blakeslee		1	Suffolk	Remediated site
Boyle Road-Selden		1	Suffolk	No source identified
Bridgehampton Mat & Heavy Equip		1	Suffolk	No evidence of disposal
Brookhaven Landfill	HS1004	1	Suffolk	Remediated site
Brookhaven Road		1	Suffolk	No source identified
Bull Path Landfill		1	Suffolk	Does not pose significant threat
Burton Industries		1	Suffolk	Qualifies for Registry listing
Calldata L.I. Center		1	Nassau	Actively managed by RCRA
Central Suffolk Paving Site		1	Suffolk	Does not pose significant threat
Charles Cardo and Son Inc.		1	Suffolk	Does not pose significant threat
Commercial Envelope		1	Suffolk	Current Registry site
Dayton T. Brown		1	Suffolk	Does not pose significant threat
Denton Avenue Landfill	HS1007	1	Nassau	Does not pose significant threat
Dock Road		1	Suffolk	No source identified
East Patchogue, Bellport Area		1	Suffolk	No source identified
Eastport Landfill		1	Suffolk	Does not pose significant threat
Edwin B. Stimpson Co.		1	Suffolk	No evidence of disposal
Elka Chemical Corp.		1	Suffolk	Qualifies for Registry listing
Eugene's Dry Cleaners		1	Suffolk	Qualifies for Registry listing
Expressway Aggregates		1	Suffolk	Actively managed by DSW
F&H MFG		1	Suffolk	Qualifies for Registry listing
Fairchild Ind. Products Div.		1	Suffolk	No evidence of disposal
Fairchild Instrument Corp.		1	Nassau	Qualifies for Registry listing
Fire Island Landfill		1	Suffolk	Does not pose significant threat
Fire Island National Seashore		1	Suffolk	Minimal probability of significant threat
Fishers Island Landfill	HS1008	1	Suffolk	Actively managed by DSW
Frann Paper Corp.		1	Nassau	No evidence of disposal
Freeport Incinerator	HS1009	1	Nassau	Minimal probability of significant threat
Friendship Drive		1	Suffolk	No source identified
Garofalo C&D Site		1	Suffolk	Actively managed by DSW
Green Thumb Spray		1	Nassau	Current Registry site
Halsey Lane		1	Suffolk	No source identified
Hein's Landfill		1	Suffolk	Does not pose significant threat
Hubbard Wilson Landfill		1	Suffolk	Does not pose significant threat
Island Park Liquid Waste Dispo		1	Nassau	No evidence of disposal
Islip Landfill		1	Suffolk	Duplicate site:Blydenburgh Landfill
Jericho Turnpike		1	Suffolk	No source identified
John Hassall		1	Nassau	Current Registry site
John Kohilakis Prop.		1	Suffolk	Current Registry site
L. Sorrentino Property		1	Suffolk	Current Registry site
LILCO, Bay Shore Gas Plant	HS1015	1	Suffolk	Qualifies for Registry Listing
LILCO, Glen Cove Gas Plant	HS1016	1	Nassau	Potential Registry Site
LILCO, Hempstead Gas Plant	HS1017	1	Nassau	Potential Registry Site
LILCO, Oakville Drum Site (1)		1	Suffolk	Remediated site
LILCO, Sag Harbor Gas Plant	HS1019	1	Suffolk	Registry Site
Laboratory Furniture Inc.		1	Nassau	Remediated site
Lincoln Ave		1	Suffolk	No source identified
Long Island Developmental Ctr.		1	Suffolk	No evidence of disposal
Mackenzie Chemical	HS1022	1	Suffolk	Registry Site
Manor Parkmore Cleaners		1	Suffolk	Qualifies for Registry listing
Merrick Landfill	HS1024	1	Nassau	Actively managed by DSW
Merrick Road		1	Suffolk	No source identified

Site Name	Site Number	Region	County	Reason
Mid Island Maintenance Center		1	Suffolk	No evidence of disposal
Miller Ave		1	Suffolk	No source identified
Montauk Landfill		1	Suffolk	Actively managed by DSW
NTU Circuits Inc.		1	Suffolk	Current Registry site
NUSC Fishers Island Dump		1	Suffolk	Minimal probability of significant threat
Oceanside Landfill		1	Nassau	Actively managed by DSW
Old Quogue Landfill		1	Suffolk	Minimal probability of significant threat
Pine Road Ecology		1	Suffolk	Minimal probability of significant threat
Plum Island Animal Disease Cen		1	Suffolk	Does not pose significant threat
R. Schleider C&D		1	Suffolk	Does not pose significant threat
Riverhead Landfill		1	Suffolk	Does not pose significant threat
Robert Johnson		1	Suffolk	Non-qualifying waste: Petroleum
Rockway Metal Products		1	Nassau	Qualifies for Registry listing
Roosevelt USARC		1	Nassau	Non-qualifying waste: Petroleum
Roslyn Air National Guard		1	Nassau	Qualifies for Registry listing
S & P Materials		1	Suffolk	Non-qualifying waste: Non-hazardous material
Saltaire Inc.		1	Suffolk	Does not pose significant threat
Sayville Landfill	HS1033	1	Suffolk	Actively managed by DSW
Schenck Bus Co.		1	Nassau	Current Registry site
Shelter Island Landfill		1	Suffolk	Does not pose significant threat
South Montclair Ave.	HS1036	1	Suffolk	Actively managed by DSW
Southold Landfill	HS1037	1	Suffolk	Actively managed by DSW
Speonk Sand and Gravel		1	Suffolk	Does not pose significant threat
Star Sand and Gravel Corporati		1	Suffolk	Actively managed by DSW
Stech and Philbin Dev. Co.		1	Suffolk	Does not pose significant threat
Suburbia Towing		1	Suffolk	Non-qualifying waste: Petroleum products
USA Bellmore Maint. Facility		1	Nassau	Remediated site
Unexcelled Castings		1	Suffolk	Actively managed by DOW
VID Industries		1	Suffolk	Does not pose significant threat
Wards Lane		1	Suffolk	No source identified
Watch Hill Sand & Gravel		1	Suffolk	Does not pose significant threat
Woodbine Products Inc.		1	Suffolk	No evidence of disposal
5700 Ave. U Site		2	Kings	Non-qualifying waste: Petroleum products
A&A Landfill		2	Richmond	Actively managed by DSW
AT&T Nassau Metals Corp	HS2002	2	Richmond	Site under a Voluntary Cleanup Agreement with NYSDEC
Aircraft Turbine Services		2	Queens	No evidence of disposal
American Radium Industries		2	New York	Non-qualifying waste: Radioactive
Anchor Casting Co.		2	New York	No evidence of disposal
Apex Thermoplastics Inc.		2	Kings	No evidence of disposal
Arden Heights Shopping Center		2	Richmond	Does not pose significant threat
BNYDC Incinerator Area	HS2004	2	Kings	Site under consent order with NYSDEC
BUG, Bay Ridge Gate Station		2	Kings	Minimal probability of significant threat
BUG, Cambria Heights Gate St		2	Queens	Minimal probability of significant threat
BUG, Canarsie Gate Station		2	Kings	Minimal probability of significant threat
BUG, Carroll Gardens	HS2006	2	Kings	Proposed Registry Site
BUG, Citizens Gate Station		2	Kings	Minimal probability of significant threat
BUG, Clifton Works	HS2007	2	Richmond	MGP site under Consent Order with DEC
BUG, Coney Island Gate Station		2	Kings	Minimal probability of significant threat
BUG, Coney Island Works	HS2008	2	Kings	MGP Site under Consent Order with NYSDEC
BUG, Kennedy Gate Station		2	Queens	Minimal probability of significant threat
BUG, Mariners Harbor Gate Sta.		2	Richmond	Minimal probability of significant threat
BUG, Maspeth Gate Station		2	Kings	Minimal probability of significant threat
BUG, Nassau Works	HS2015	2	Kings	Duplicate Site, HS2004
BUG, Spring Creek Gate Station		2	Kings	Minimal probability of significant threat
BUG, Tetco Narrows Drip Sta.		2	Richmond	Minimal probability of significant threat
BUG, Van Wyck Gate Station		2	Queens	Minimal probability of significant threat
BUG, Varick Gate Station		2	Kings	Minimal probability of significant threat

Site Name	Site Number	Region	County	Reason
Blatchford Base Plant		2	Kings	No evidence of disposal
Borden Chemical		2	Kings	No evidence of disposal
Bradley White Lead Co.		2	Kings	Does not pose significant threat
Bronx Psychiatric Center	HS2019	2	Bronx	Registry site
Brooklyn Terminal/Mobile Oil		2	Kings	Non-qualifying waste:Petroleum products
Chem. & Solvent Distillers Co.		2	Queens	No evidence of disposal
City Barrel		2	Kings	No evidence of disposal
Colonial Square		2	Richmond	Does not pose significant threat
ConEd, Arthur Kill	HS2021	2	Richmond	Site under a Voluntary Cleanup Agreement with NYSDEC
Corona Meadows Yard Site		2	Queens	Minimal probability of significant threat
Creedmore Psy. Center		2	Queens	Qualifies for Registry listing
Emmanuel Cellard Fed. Bldg.		2	Kings	No evidence of disposal
Federal Building Site		2	New York	No evidence of disposal
Fort Wadsworth (Naval Station)	HS2027	2	Richmond	Remediated site
Freshkill Landfill		2	Richmond	Actively managed by DSW
G & L Eyes Inc.		2	Kings	No evidence of disposal
GSA Building Site		2	New York	No evidence of disposal
GSF Energy Inc. (spill)		2	Richmond	Remediated site
George Washington Bridge	HS2028	2	New York	Remediated site
Goethals Bridge		2	Richmond	Minimal probability of significant threat
Holland Hook Terminal		2	Richmond	Remediated site
Hunters Point Development		2	Queens	Actively managed by DHWR
International Dial Co.		2	New York	Non-qualifying waste:Radioactive
Knemark Corp.		2	Queens	No evidence of disposal
LILCO, Rockaway Gas Plant	HS2034	2	Queens	Regisrty site
Lenox Smelting		2	Kings	No evidence of disposal
Liberty Heat Treating Co., Inc		2	Queens	No evidence of disposal
Lombardy Street Landfill		2	Kings	Minimal probability of significant threat
MTA Gun Hill Bus Complex		2	Bronx	Minimal probability of significant threat
Manhattan Adhesives	HS2035	2	Kings	No evidence of disposal
Morgan Terminal		2	Kings	Non-qualifying waste:Petroleum products
Nassau Tank Cleaning Co.		2	Kings	No evidence of disposal
Naval Station-Brooklyn		2	Kings	Qualifies for Registry listing
New York Times Co.		2	New York	No evidence of disposal
Odyssey House		2	Manhattan	Minimal probability of significant threat
Old Place Creek		2	Richmond	Non-qualifying waste: Petroleum products
Peerless Property		2	Queens	No evidence of disposal
PhotoChemical Products Inc.		2	Queens	Non-qualifying waste: Radioactive
Proctor and Gamble		2	Richmond	Actively managed by DSW
R & A Leather Finishing Co.		2	Kings	No evidence of disposal
Radium Chemical		2	Queens	Non-qualifying waste: Radioactive
Radium Luminous Materials		2	New York	Non-qualifying waste: Radium
Salem Fields Cemetary		2	Queens	Actively managed by DSW
Staten Island Warehouse		2	Richmond	Non-qualifying waste: Radioactive
Sutra Building		2	Queens	Does not pose significant threat
Tanks-a-Lot Company		2	Kings	No evidence of disposal
Texas Eastern Gas Pipeline Co.		2	Richmond	Does not pose significant threat
US Information Agency		2	Kings	No evidence of disposal
Vigliarolo Brothers		2	Richmond	Non-qualifying waste:Non-hazardous material
Williamsburge		2	Brooklyn	Non-qualifying waste: Petroleum products
A.C. Dutton Lumber		3	Dutchess	Current Registry site
Airmont Road-Conrail Crossing	HS3001	3	Rockland	Remediated site
Andrews Property		3	Dutchess	Actively managed by DSW
Arborio Construction		3	Dutchess	Non-qualifying waste: Petroleum products
Atlantic Asbestos		3	Dutchess	No evidence of disposal
Bard College		3	Dutchess	Minimal probability of significant threat
Barrier Industries		3	Orange	Actively managed by EPA

Site Name	Site Number	Region	County	Reason
Bates Scavenger Disposal		3	Putnam	Does not pose significant threat
Beacon City LF-Dennings Ave.	HS3005	3	Dutchess	Minimal Probability of Significant Threat
Beacon City LF-Municipal Park		3	Dutchess	Actively managed by DSW
Berncolors Poughkeepsie, Inc.		3	Dutchess	Does not pose significant threat
Blue Mountain Shooting Range		3	Westchester	Actively managed by EPA
Braendly Dye Company		3	Dutchess	Minimal probability of significant threat
Brewster Auto Wrecking		3	Putnam	Non-qualifying waste: Non-hazardous substance
Brewster Castings Corp.		3	Putnam	Does not pose significant threat
Brewster Transit Mix		3	Putnam	No evidence of disposal
C&D, Kenilworth Lane		3	Westchester	Remediated site
C&D, Prisco Site		3	Putnam	Actively managed by DSW
CHG&E, Bayeaux Street	HS3009	3	Dutchess	Not a Significant Threat
CHG&E, Beacon Site	HS3010	3	Dutchess	Potential Registry Site
CHG&E, Newburgh site	HS3012	3	Orange	MGP site under Consent Order with DEC
CHG&E, Poughkeepsie Gas Works	HS3013	3	Dutchess	Potential Registry Site
CHG&E, Poughkeepsie-Laurel St.	HS3014	3	Dutchess	Potential Registry Site
Camp Shanks		3	Rockland	Non-qualifying waste:domestic refuse
Canadian Radium & Uranium Corp		3	Westchester	Non-qualifying waste: Radioactive
Carmel Landfill		3	Rockland	Does not pose significant threat
Coastal Oil of New York Inc.		3	Orange	Non-qualifying waste: Petroleum
ConEd, Pelham	HS3017	3	Westchester	Qualifies for Registry Listing
Congers Safety Clean		3	Rockland	Actively managed by RCRA
Costantino Landfill		3	Ulster	Minimal probability of significant threat
Cricket Hill Road	HS3020	3	Dutchess	Minimal Probability of Significant Threat
Culver Animal Dump Site		3	Dutchess	Does not pose significant threat
DEC Region 3 Office, New Paltz		3	Ulster	Minimal probability of significant threat
Dexter Landfill		3	Rockland	Actively managed by DSW
Dobbs Ferry Riverfront Park		3	Westchester	Minimal probability of significant threat
Dolfinger Property		3	Dutchess	Minimal probability of significant threat
Dover Landfill		3	Dutchess	Actively managed by DSW
Dutchess County Airport BF		3	Dutchess	Minimal probability of significant threat
Dutchess County Airport LF		3	Dutchess	Minimal probability of significant threat
Dutchess Sanitation		3	Dutchess	Minimal probability of significant threat
East Fishkill Landfill	HS3021	3	Dutchess	Minimal Probability of Significant Threat
East of Brewster		3	Putnam	No source identified
Ellenville Scrap Iron Co.		3	Ulster	Actively managed by DHWR
Executone		3	Orange	Does not pose significant threat
Flintkote(Orangeburg Pipe Co.)		3	Rockland	Does not pose significant threat
Former 7-Up Bottling Plant		3	Westchester	No source identified
Former Hopewell Precision		3	Dutchess	No evidence of disposal
Gedney Way Landfill	HS3026	3	Westchester	Actively managed by DSW.
Glenshaw Glass Co.		3	Rockland	Non-qualifying waste:Petroleum products
Grant Hardware		3	Rockland	Qualifies for Registry listing
Harlem Valley Psychiatric Cntr		3	Dutchess	Does not pose significant threat
Harriman State Park West		3	Orange	Current Registry site
Haverstraw Gypsum Dump		3	Rockland	Non-qualifying waste: Non-hazardous substance
Haverstraw Landfill BPR	HS3031	3	Rockland	Actively managed by DSW.
Heelan/Armento LF(Fair St C&D)		3	Putnam	Actively managed by DSW
Helen Hayes Hospital		3	Rockland	No evidence of disposal
Herb Redl Property		3	Dutchess	Does not pose significant threat
Hipotronics	HS3032	3	Putnam	Minimal Probability of Significant Threat
Hyde Park LF		3	Dutchess	Does not pose significant threat
IBM Poughkeepsie		3	Dutchess	Does not pose significant threat
Interlake Inc./Dexion Inc.		3	Orange	Does not pose significant threat
James Weygant Property		3	Orange	Actively managed by DSW
LaGrange Town LF		3	Dutchess	Minimal probability of significant threat
LeMay Optical		3	Putnam	Does not pose significant threat

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Site Name	Site Number	Region	County	Reason
Lumelite Plastics Corp.	HS3036	3	Dutchess	Remediated Site
Mackey/Lafko Property	HS3038	3	Dutchess	Minimal Probability of Significant Threat
Mamakating Town Dump		3	Sullivan	Actively managed by DSW
Mancini Site		3	Dutchess	Remediated site
Metro North Commuter RR Dispos		3	Putnam/Dutch	Actively managed by DSW
Mica Products		3	Dutchess	Does not pose significant threat
Midland Process Site		3	Westchester	No evidence of disposal
Midland Processing		3	Rockland	Remediated site
Millbrook Dump		3	Dutchess	Does not pose significant threat
Montagnon Ricci		3	Putnam	Does not pose significant threat
Montgomery Landfill		3	Orange	Actively managed by DSW
Monticello Village Landfill		3	Sullivan	Actively managed by DSW
NYSDOT, Spill # 811902		3	Dutchess	Non-qualifying waste: Petroleum
NYSEG, Brewster		3	Putnam	Does not pose significant threat
NYSEG, Goshen		3	Orange	MGP Site under Consent Order with NYSDEC
North of Sharp Industries		3	Rockland	Current Registry site
Numrich Arms	HS3043	3	Ulster	Registry Site
O&R Utilities, Haverstraw Gas	HS3044	3	Rockland	Potential Registry Site; CO under negotiation
O&R Utilities, Middletown	HS3045	3	Orange	MGP site negotiating Consent Order with DEC
O&R Utilities, Middletown Coal	HS3046	3	Orange	MGP site under Consent Order with DEC
O&R Utilities, Nyack Gas Plant	HS3048	3	Orange	MGP site under Consent Order with DEC
O&R Utilities, Port Jervis Gas	HS3049	3	Orange	MGP site under Consent Order with DEC
O&R Utilities, Suffern	HS3050	3	Rockland	MGP site under Consent Order with DEC
O&R Utilities, West Nyack		3	Rockland	Remediated site
Old Beekman Site	HS3051	3	Dutchess	Minimal Probability of Significant Threat
Orlando Landfill	HS3053	3	Putnam	Minimal Probability of Significant Threat
Ossining Historical Society		3	Westchester	Non-qualifying waste: Radioactive
Pacific Airmotive		3	Westchester	No evidence of disposal
Pascack Brook		3	Rockland	Remediated site
Peekskill Plaza		3	Westchester	Qualifies for Registry listing
Pergamon Press		3	Westchester	No evidence of disposal
Philipstown LF		3	Putnam	Actively managed by DSW
Piermont Landfill		3	Rockland	Non-qualifying waste:Non-hazardous material
Printex Corp		3	Westchester	Does not pose significant threat
Putnam County Landfill	HS3058	3	Putnam	Minimal Probability of Significant Threat
Pyridium Mercury Disposal Site		3	Orange	Actively managed by EPA
Raia Parcel	HS3060	3	Rockland	Remediated Site
Ramapo Helicopter, Inc.	HS3061	3	Rockland	Minimal Probability of Significant Threat
Ramapo Piece and Dye Works		3	Rockland	Minimal probability of significant threat
Red Hook - Rokeby Road	HS3063	3	Dutchess	Minimal Probability of Significant Threat
Red Hook Rod and Gun Club	HS3064	3	Dutchess	Minimal Probability of Significant Threat
Reiter Drum & Barrel Co. Inc.		3	Westchester	No evidence of disposal
Rhinebeck Town Landfill		3	Dutchess	Actively managed by DSW
Rock Haven Landfill		3	Ulster	Does not pose significant threat
Rockland Psychiatric Center		3	Rockland	No evidence of disposal
Roseton Terminal Amerada Hess		3	Orange	Non-qualifying waste: Petroleum
Route 22 Eastside		3	Dutchess	Does not pose significant threat
Route 22 Westside		3	Dutchess	No evidence of disposal
Route 52 Dump		3	Orange	Duplicate site: C&D, Rt. 52 Holding Corp.
Royal Carting Services		3	Dutchess	Does not pose significant threat
Saugerties Landfill		3	Ulster	Actively managed by DSW
Sessler Disposal Site	HS3069	3	Dutchess	Minimal Probability of Significant Threat
Seventh Day Adventist Church		3	Dutchess	Minimal probability of significant threat
Singer Co./GPL Division		3	Westchester	Does not pose significant threat
Star Expansion		3	Orange	Actively managed by RCRA
Stony Point Landfill		3	Rockland	Minimal probability of significant threat
US Gypsum Landfill		3	Rockland	Non-qualifying waste: Non-hazardous substance

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Site Name	Site Number	Region	County	Reason
USCG Aids to Navigation Team		3	Ulster	No evidence of disposal
Union Valley Road		3	Putnam	No source identified
United Nuclear Corporation		3	U	Non-qualifying waste:Radioactive
VAW of America		3	Ulster	Does not pose significant threat
Viking Iron Works		3	Dutchess	Minimal probability of significant threat
Wappingers Fall Village LF		3	Dutchess	Minimal probability of significant threat
Warren Court		3	Rockland	Duplicate site: Haverstraw Gypsum Dump
Washington Landfill		3	Dutchess	Actively managed by DSW
West Nyack Site		3	Rockland	Current Registry site
West Point Military Academy	HS3075	3	Orange	Actively managed by DSW
White House Crossing		3	Dutchess	Does not pose significant threat
Wiltzie Property	HS3076	3	Dutchess	Minimal Probability of Significant Threat
Albany City Landfill		4	Albany	Actively managed by DSW
Amsterdam Terminal		4	Montgomery	Does not pose significant threat
Atlantic Cement		4	Albany	No evidence of disposal
Austerlitz Town Garage		4	Columbia	Minimal probability of significant threat
BFI Landfill Browning Ferris I		4	Montgomery	Remediated site
Bayshore Industries		4	Montgomery	No evidence of disposal
Bendix Waste Oil Disposal Site		4	Delaware	Non-qualifying waste: Petroleum
Bendix Waste Oil Disposal Site		4	Delaware	Non-qualifying waste:Petroleum products
Bendix-Electric(old site)		4	Delaware	Remediated site
Bendix-Electric(old site)		4	Delaware	Remediated site
Blasch Precision Ceramics		4	Schenectady	Does not pose significant threat
Burgess Corporation		4	Montgomery	No evidence of disposal
Burns Property		4	Albany	Non-qualifying waste: Petroleum products
Butternuts Landfill		4	Otsego	Current Registry site
C&D, Metz Landfill		4	Albany	Actively managed by DSW
CFG Yacht Co.		4	Greene	No evidence of disposal
CHG&E, Catskill Gas Plant		4	Greene	Minimal probability of significant threat
Capital District Tool & Die Co		4	Albany	Minimal probability of significant threat
Celotex Corporation		4	Delaware	Non-qualifying waste: Non-hazardous material
Cheltingham Landfill		4	Schenectady	Actively managed by DSW
Clandestine MethamphetamineLab		4	Schoharie	Minimal probability of significant threat
Claverack Landfill		4	Columbia	Actively managed by DSW
Cobleskill Landfill		4	Schoharie	Actively managed by DSW
Columbia Corp.		4	Rensselaer	Non-qualifying waste: Non-hazardous material
Columbia Corp. Landfill		4	Columbia	Actively managed by DSW
Copeland Coating Company		4	Rensselaer	Minimal probability of significant threat
Delaware County Landfill		4	Delaware	Actively managed by DSW
Former A.B.Dick Co.		4	Albany	Does not pose significant threat
Former John Simptson Property		4	Rensselaer	Non-qualifying waste: Radioactive
GE Knolls Atomic Power Labs		4	Schenectady	Non-qualifying waste: Radioactive
Geier & Bluhm		4	Rensselaer	Does not pose significant threat
General Electric, Noryl Ave.		4	Albany	Does not pose significant threat
Glenville Town Landfill		4	Schenectady	Does not pose significant threat
Greene County Landfill		4	Greene	Minimal probability of significant threat
Greenport Landfill		4	Columbia	Does not pose significant threat
Guilz Property	SYL00115790	4	Schenectady	Non-qualifying waste: Asphalt
Hoosick Falls Landfill		4	Rensselaer	Actively managed by DSW
Keymark Corp.		4	Montgomery	Minimal probability of significant threat
Knolls Atomic Power Laboratory		4	Schenectady	Actively managed by DSW
Lehigh Portland Cement Co.		4	Greene	Minimal probability of significant threat
Long Eddy Co., Inc.		4	Delaware	Duplicate site: Beerston Acetate Factory
NiMo, Fort Plain		4	Montgomery	MGP Site under Consent Order with NYSDEC
NiMo, Hudson	HS4029	4	Columbia	Potential Registry Site
NiMo, North Albany		4	Albany	MGP Site under Consent Order with NYSDEC
NiMo, Schenectady (Broadway)		4	Schenectady	MGP Site under Consent Order with NYSDEC

Site Name	Site Number	Region	County	Reason
NiMo, Schenectady (Seneca St.)		4	Schenectady	MGP Site under Consent Order with NYSDEC
NiMo, Troy (Smith Ave.)		4	Rensselaer	MGP Site under Consent Order with NYSDEC
NiMo, Troy (Water St.)		4	Rensselaer	MGP Site under Consent Order with NYSDEC
Niskayuna Sanitary Landfill		4	Schenectady	Actively managed by DSW
Old Rotterdam Town Landfill		4	Schenectady	Minimal probability of significant threat
Oneonta City Landfill		4	Otsego	Actively managed by DSW
Owens Corning Fiberglass		4	Albany	No evidence of disposal
Palatine Dyeing Co. Inc.		4	Montgomery	Minimal probability of significant threat
Penn Dixie Co.		4	Schoharie	Minimal probability of significant threat
Portec Inc.		4	Rensselaer	Does not pose significant threat
Rothvoss Dump		4	Columbia	Actively managed by DSW
Rotterdam Town Landfill		4	Schenectady	Actively managed by DSW
Route 5 TCE(Scotia Naval Depot		4	Schenectady	No source identified
Salisbury Fuel Oil Corp.		4	Schenectady	Non-qualifying waste: Petroleum
Sand Lake Landfill		4	Rensselaer	Actively managed by DSW
St. Johnsville Landfill		4	Montgomery	Minimal probability of significant threat
Stiefel Labs, Inc.		4	Greene	No evidence of disposal
Texaco USA/Div. of Texaco Inc.		4	Albany	Non-qualifying waste: Petroleum
Troy Sanitary Landfill	HS4039	4	Rensselaer	Actively managed by DSW
Wormuth Bros. Foundry		4	Greene	Non-qualifying waste: Non-hazardous substance
Ames Chemical		5	Warren	No evidence of disposal
Argyle Landfill		5	Washington	Actively managed by DSW
Baptist Hill Road Landfill		5	Saratoga	Remediated site
Barton Mines		5	Warren	No evidence of disposal
Black Ash Lagoons		5	Essex	Does not pose significant threat
Bombay Landfill		5	Franklin	Minimal probability of significant threat
Britts Site		5	Fulton	No evidence of disposal
C&D, Al Rose		5	Saratoga	Actively managed by DSW
Cayadutta Creek		5	Fulton	Does not pose significant threat
Clifton Park-Halfmoon Septic		5	Saratoga	Non-qualifying waste: Non-hazardous material
Colonial Tanning Corp.		5	Fulton	Non-qualifying waste:Petroleum products
Constantine Site	HS5001	5	Saratoga	Remediated site
D&H, B&M, RR Yard		5	Saratoga	Non-qualifying waste:Petroleum products
Dolgeville Landfill		5	Fulton	Does not pose significant threat
Donovan Landfill		5	Saratoga	Non-qualifying waste:Non-hazardous materials
Dyer Landfill		5	Saratoga	Non-qualifying waste:Bark
Fawthrop, William, and Dougla		5	Saratoga	Minimal probability of significant threat
Finch Pruyn and Company		5	Warren	Actively managed by DSW
Former Mechanicville Landfill		5	Saratoga	Minimal probability of significant threat
Fort Miller Pulp and Paper		5	Washington	Does not pose significant threat
Georgia Pacific		5	Washington	Remediated site
Gilbert Shortsleeves		5	Washington	Remediated site
Granville Landfill		5	Washington	Non-qualifying waste:Non-hazardous materials
Greenwich Landfill		5	Washington	Actively managed by DSW
Halfmoon Landfill		5	Saratoga	Actively managed by DSW
Harrison St. Sewage Treatment		5	Fulton	Does not pose significant threat
Hebron Valley Products Corp.		5	Washington	Remediated site
Hercules Inc. Glens Falls Plt.		5	Warren	Current Registry site
Hovey Dump		5	Saratoga	Actively managed by DSW
International Paper		5	Essex	Actively managed by DSW
International Paper		5	Saratoga	Actively managed by DSW
John Rock Landfill		5	Saratoga	Actively managed by DSW
Kingsborough Elementary School		5	Fulton	Remediated site
Loukes Septage Site		5	Saratoga	Does not pose significant threat
Malone Landfill		5	Franklin	Minimal probability of significant threat
Meads Nursery Fire		5	Warren	Minimal probability of significant threat
Miller Street	SYL00115791	5	Fulton	Non-qualifying waste:Non-hazardous material

Site Name	Site Number	Region	County	Reason
NIBCO Inc.	5		Saratoga	Actively managed by RCRA
NYSEG, Bridge St.	5		Clinton	MGP Site under Consent Order with NYSDEC
NYSEG, Coons Crossing	5		Saratoga	MGP Site under Consent Order with NYSDEC
NYSEG, Granville	5		Washington	MGP Site under Consent Order with NYSDEC
NYSEG, Mechanicville	5		Saratoga	Current Registry site
NYSEG, Plattsburgh, Saranac St	5		Clinton	MGP Site under Consent Order with NYSDEC
National Catheter Co. Div of M	5		Washington	Actively managed by RCRA
NiMo, Fulton	5		Fulton	MGP Site under Consent Order with NYSDEC
NiMo, Gloversville (Hill St.)	5		Fulton	MGP Site under Consent Order with NYSDEC
NiMo, Johnstown	5		Fulton	MGP Site under Consent Order with NYSDEC
NiMo, Maintenance-Saratoga	5		Saratoga	Current Registry site
NiMo, Mohican St. Glens Falls	5		Warren	MGP Site under Consent Order with NYSDEC
NiMo, South Glens Falls	5		Saratoga	Remediated site
North Cormie Avenue Site	5		Fulton	Non-qualifying waste:Petroleum products
Norton Site	5		Washington	Does not pose significant threat
Old Caroga Landfill	5		Fulton	Minimal probability of significant threat
Old Johnstown Dump	5		Fulton	Does not pose significant threat
Plattsburgh Municipal Lighting	5		Clinton	No evidence of disposal
Pyramid Mall, Johnstown	5		Fulton	No evidence of disposal
Queensbury Landfill	5		Warren	Actively managed by DSW
Republic Steel Corp.(Meseba)	5		Essex	Remediated site
Route 4 Barrel Site	5		Washington	Remediated site
Scott Paper Co.	5		Washington	No evidence of disposal
Slupski Landfill	5		Saratoga	Non-qualifying waste: Non-hazardous material
Star Metal	5		Clinton	Does not pose significant threat
Stillwater Dump	5		Saratoga	Actively managed by DSW
Union Camp Corp Fenimore Plant	5		Saratoga	No evidence of disposal
Union Camp Corp. Honeycomb Div	5		Warren	No evidence of disposal
Veldown Co. Inc.	5		Saratoga	Actively managed by RCRA
Warrensburg Board and Paper	5		Warren	Minimal probability of significant threat
Washington County Gravel Pit	5		Washington	Does not pose significant threat
Waste Oil Disposal	5		Franklin	Duplicate site:York Oil Superfund Site
West Fulton St. Extension	5		Fulton	Does not pose significant threat
Whitehall Plywood	5		Washington	Qualifies for Registry listing
Yost St. Sludge Storage Site	5		Fulton	Minimal probability of significant threat
AMF Lowville Operations	6		St. Lawrence	Current Registry site
Alcoa Asbestos Landfill Site	6		St. Lawrence	Does not pose significant threat
Alcoa South Ditch Holding Pond	6		St.Lawrence	Minimal probability of significant threat
Beaunit Corp./Utica Viscose Pl	6		Oneida	No evidence of disposal
Beaverite Mill	6		Lewis	No evidence of disposal
Black Clawson	6		Jefferson	Non-qualifying waste:Non-hazardous material
Black River Spafford Landing	6		Lewis	Non-existent site
Boise Cascade Landfill	6		Lewis	Does not pose significant threat
Camden Wire Co./Wesseldine	6		Oneida	Does not pose significant threat
Crashe's Auto Parts	6		Herkimer	Qualifies for Registry listing
Crogham Landfill	6		Lewis	Actively managed by DSW
Croghan-Belfort	6		Lewis	Does not pose significant threat
Empire Recycling	6		Oneida	Actively managed by DOW
Fisher Gage	6		Jefferson	Actively managed by RCRA
Georgia Pacific Old Smelt Dump	6		Lewis	Duplicate site:Gould Paper Co.
Gould Paper Co.	6		Lewis	Non-qualifying waste:Non-hazardous material
Hall Ski Lift Company Inc.	6		Jefferson	Minimal probability of significant threat
Herkimer Village Dump	6		Herkimer	Current Registry site
Hoosier Magnetics	6		St. Lawrence	Remediated site
Ilion Landfill	6		Herkimer	Does not pose significant threat
Indium Corp. of Amer. Warehous	6		Oneida	No evidence of disposal
Library Bureau	6		Herkimer	No evidence of disposal

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Site Name	Site Number	Region	County	Reason
Little Falls		6	Herkimer	Current Registry site
Lockwood Farms		6	Herkimer	Non-qualifying waste: Non-hazardous material
Manchester Dump		6	Oneida	No source identified
Mohawk Valley Landfill		6	Herkimer	Does not pose significant threat
Mohawk Valley Oil		6	Oneida	Non-qualifying waste:Petroleum products
NY Emulsions Tar Products	HS6007	6	Oneida	Registry site
NYSEG, Waterville		6	Oneida	MGP Site under Consent Order with NYSDEC
New Hartford Village Dump	HS6008	6	Oneida	Registry site
Newton Falls Paper Mill		6	St. Lawrence	Actively managed by DSW
NiMo, Engine St. (Watertown)		6	Jefferson	MGP Site under Consent Order with NYSDEC
NiMo, Former Operation E. Mill		6	Herkimer	Non-qualifying waste:Petroleum products
NiMo, Former Property, Moulton		6	Jefferson	No evidence of disposal
NiMo, Gas Control Facility		6	Jefferson	Duplicate site: NiMo, Engine St. (Watertown)
NiMo, Herkimer		6	Herkimer	MGP Site under Consent Order with NYSDEC
NiMo, Ilion		6	Herkimer	MGP Site under Consent Order with NYSDEC
NiMo, Rome (Kingsley Ave.)		6	Oneida	MGP Site under Consent Order with NYSDEC
NiMo, Rome (Madison and Jay)		6	Oneida	MGP Site under Consent Order with NYSDEC
NiMo, Rome Gas Regulator Sta.		6	Oneida	No evidence of disposal
Old Abandoned Erie Canal		6	Herkimer	Current Registry site
Rawlings Adirondack Saw Mill	HS6010	6	Herkimer	Site under Voluntary Cleanup Program
Revere Copper & Brass Landfill		6	Oneida	Minimal probability of significant threat
Route 126 Site		6	Lewis	Non-qualifying waste:Paper mill waste
Sperry Univac (Utica)		6	Oneida	Remediated site
St. Joe Zinc Co. at Edwards		6	St. Lawrence	Does not pose significant threat
St. Joe Zinc Co., at Balmat		6	St. Lawrence	Does not pose significant threat
St. Joe Zinc at Main Mill		6	St. Lawrence	Does not pose significant threat
St. Regis Paper Company		6	Jefferson	Actively managed by DSW
Steiner Property		6	Lewis	Minimal probability of significant threat
Tri-State Industrial Laundries		6	Oneida	Qualifies for Registry listing
Utica Harbor		6	Oneida	MGP Site under Consent Order with NYSDEC
Utica Metal Products		6	Oneida	No evidence of disposal
Village of Lowville Dump	HS6012	6	Lewis	Qualifies for Registry Listing
Watertown Landfill		6	Jefferson	Actively managed by DSW
Westinghouse Electric (Utica)		6	Oneida	No evidence of disposal
Agway Mill Site		7	Tompkins	Does not pose significant threat
Al Hubbard Cold Brook		7	Onondaga	Non-qualifying waste: Non-hazardous material
Allied Chemical		7	Onondaga	Current Registry site.
Armstrong Cork Landfill		7	Oswego	Minimal probability of significant threat
Ashland Chemical Company		7	Broome	Actively managed by RCRA
Azon Corp.		7	Broome	No evidence of disposal
Brake Hill Dump		7	Cortland	Non-qualifying waste:Non-hazardous materials
Brake Hill Dump		7	Cortland	Non-qualifying waste:Non-hazardous material
Branem Industries		7	Chenango	Actively managed by DOW.
Breneman Inc.		7	Oswego	Minimal probability of significant threat
Brewer-Titchner Finishing Plnt	HS7003	7	Cortland	Remediated site; minimal probability of significant threat
Brighton Avenue Landfill		7	Onondaga	Current Registry site
Brillo Disposal		7	Cayuga	Minimal probability of significant threat
Bristol Laboratories		7	Onondaga	Current Registry site.
Canastota Landfill		7	Madison	Remediated site
Carrier Dewitt		7	Onondaga	Minimal probability of significant threat
Chandler Landfill		7	Tioga	Current Registry site.
Chenango County Landfill #3		7	Chenango	Non-qualifying waste: Non-hazardous material
Chevron USA		7	Broome	Non-qualifying waste:Petroleum products
Columbia Mills Asbestos Prob.		7	Oswego	Actively managed by EPA
Cornell Radioactive Landfill		7	Tompkins	Non-qualifying waste: Radioactive
Cortland-Homer Dump		7	Cortland	Minimal probability of significant threat
Crucible Inc.		7	Onondaga	Does not pose significant threat

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Site Name	Site Number	Region	County	Reason
Crucible Inc. Lake Pump Sta.		7	Onondaga	Does not pose significant threat
Crucible Inc./Doring Property		7	Onondaga	Does not pose significant threat
DOT Barge Canal; Lock 01		7	Oswego	Remediated site
Davis Ave. Well Field		7	Broome	No source identified
Dewitt Diesel Shop		7	Onondaga	Non-qualifying waste:Petroleum products
East Seneca Street Dump		7	Oswego	Minimal probability of significant threat
Edon Wire Company		7	Onondaga	Minimal probability of significant threat
Federal Government Facility		7	Onondaga	No evidence of disposal
Federal System Division (IBM)		7	Tioga	Remediated site
Frazer and Jones Co.		7	Onondaga	Does not pose significant threat
Fulton 6th Ward		7	Oswego	Minimal probability of significant threat
GMC Fisher Body Division		7	Onondaga	Minimal probability of significant threat
General Electric (E. Molloy)		7	Onondaga	No evidence of disposal
General Electric (Liverpool)		7	Onondaga	No evidence of disposal
General Electric/Auburn Plant		7	Cayuga	Minimal probability of significant threat
Gulf Oil Corp.		7	Broome	Non-qualifying waste:Petroleum products
Heers Complaint		7	Oswego	Non-qualifying waste: Non-hazardous material
Homer Village Dump		7	Cortland	Minimal probability of significant threat
Humko-Sheffield		7	Chenango	Non-qualifying waste: Non-hazardous material
IBM		7	Tioga	No evidence of disposal
Illsley Bros. Dump		7	Broome	Qualifies for Registry listing
Inland Chemical		7	Madison	No evidence of disposal
Ithaca College		7	Tompkins	Remediated site.
J.M Murray Center		7	Cortland	No evidence of disposal
J.M. Murray Center		7	Cortland	No evidence of disposal
Jardine Bronze and Aluminum		7	Onondaga	Minimal probability of significant threat
Johnson City Well # 6/7		7	Broome	No source identified
Joseph G. Abissi Property		7	Broome	Remediated site
Keck Farm		7	Oswego	Minimal probability of significant threat
Lipe-Rollaway Corp.		7	Onondaga	Non-qualifying waste:Petroleum products
Miller Brewing Company		7	Oswego	Current Registry site.
Mirabito Property		7	Oswego	Does not pose significant threat
NYSEG, Auburn (Green St.)		7	Cayuga	MGP Site under Consent Order with NYSDEC
NYSEG, Auburn, McMaster St.		7	Cayuga	MGP Site under Consent Order with NYSDEC
NYSEG, Binghamton, Court St.	HS7012	7	Broome	MGP site under Consent Order with DEC
NYSEG, Cayuga Inlet, Ithaca		7	Tompkins	MGP Site under Consent Order with NYSDEC
NYSEG, Clark Street Plant		7	Cayuga	MGP Site under Consent Order with NYSDEC
NYSEG, Cortland-Homer		7	Cortland	MGP Site under Consent Order with NYSDEC
NYSEG, First Street (Ithaca)		7	Tompkins	MGP Site under Consent Order with NYSDEC
NYSEG, Ithaca, Court Street		7	Tompkins	MGP Site under Consent Order with NYSDEC
NYSEG, Lansing		7	Tompkins	Actively managed by DSW
NYSEG, Norwich Gas Plant		7	Chenango	MGP Site under Consent Order with NYSDEC
NYSEG, Noyes Island		7	Broome	Non-qualifying waste: Petroleum
NYSEG, Owego		7	Tioga	Current Registry site
Nanticoke Sanitary Landfill		7	Broome	Actively managed by DSW
NiMo, Hiawatha Gas		7	Onondaga	MGP Site under Consent Order with NYSDEC
NiMo, Oneida Operation		7	Madison	MGP Site under Consent Order with NYSDEC
NiMo, Oswego Operation		7	Oswego	No evidence of disposal.
NiMo, Syracuse (Erie)		7	Onondaga	MGP Site under Consent Order with NYSDEC
Oberdorfer Foundries		7	Onondaga	Minimal probability of significant threat
Old Bainbridge Dump		7	Chenango	Minimal probability of significant threat
Olmstead Well Site		7	Broome	No source identified
Oswego Tackle Shop		7	Oswego	No evidence of disposal
Peter Winkelman Co. Inc.		7	Onondaga	Minimal probability of significant threat
Pico Inc. CATV Division		7	Onondaga	No evidence of disposal
Prestolite Co.		7	Onondaga	Remediated site
Raponi Property		7	Oswego	No evidence of disposal

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Site Name	Site Number	Region	County	Reason
Reynolds Road Site		7	Broome	Qualifies for Registry listing
Rotondo Warehouse		7	Onondaga	Does not pose significant threat
Ruston Paving Co.		7	Onondaga	Remediated site
SUNY Binghamton		7	Broome	No evidence of disposal.
Sealright Plant Yard		7	Oswego	Remediated site
Singer Company		7	Broome	Does not pose significant threat
South Street Well Field		7	Broome	No source identified
State Fair Landfill		7	Onondaga	Does not pose significant threat
Stauffer Chemical		7	Onondaga	Current Registry site.
TEK Dry Cleaners		7	Onondaga	Minimal probability of significant threat
Taurus Chemical Corp.		7	Cayuga	Does not pose significant threat
Taylor Property Dumpsites		7	Oswego	Does not pose significant threat
Town of Barton Landfill		7	Tioga	Actively managed by DSW
Triple Cities Metal		7	Broome	No evidence of disposal.
Tulik Gravel Pit		7	Oswego	Does not pose significant threat
Tully Landfill		7	Onondaga	Minimal probability of significant threat
Tuscarora Chemical Works		7	Onondaga	Minimal probability of significant threat
Union Springs Landfill		7	Cayuga	No evidence of disposal
Val's Dodge		7	Onondaga	Current Registry site.
Val's Dodge		7	Onondaga	Current Registry site
Van Buren Dump		7	Oswego	Minimal probability of significant threat
Victory Plaza		7	Tioga	Minimal probability of significant threat
Viking Chemical		7	Tioga	Actively managed by RCRA
3M/Honeoye Plant		8	Ontario	Minimal probability of significant threat
Atochem of North America		8	Livingston	Current Registry site
Baker Castor Oil		8	Monroe	Non-qualifying waste: Non-hazardous material
Barnes Metal Products		8	Orleans	Qualifies for Registry listing
Carter Street		8	Monroe	Does not pose significant threat
Chili Plastics		8	Monroe	Non-qualifying waste: Petroleum
Clarkson Landfill		8	Monroe	Actively managed by DSW
Cole Road Dump	HS8006	8	Wayne	Registry site
Conrail Property		8	Monroe	Current Registry site
Conrail Property		8	Monroe	Qualifies for Registry listing
Cuylerville Landfill		8	Livingston	Remediated site
Diaz Chemical Corp.		8	Orleans	Current Registry site
Emerson St. LF		8	Monroe	Does not pose significant threat
Fairport Sewage		8	Monroe	Does not pose significant threat
Former G.E. Black&Decker Site		8	Monroe	Current Registry site
Former General Testing		8	Monroe	Minimal probability of significant threat
Former Vacuum Oil		8	Monroe	Qualifies for Registry listing
GE Homell		8	Steuben	Current Registry site
GMC Rochester Products, AC/Roc		8	Monroe	Current Registry site
GRIA Fire Training Area		8	Monroe	Qualifies for Registry listing
GTE Products Corp.	HS8015	8	Seneca	Site actively managed by DSHM.
Garlock Inc./Division of Colt		8	Wayne	Does not pose significant threat
Genesee & Wyoming RR Co.		8	Livingston	No evidence of disposal
Genesee Scrap & Tin Co.		8	Monroe	Remediated site
Gillette Machine and Tool		8	Monroe	No evidence of disposal
Gold Bond Building		8	Genesee	Does not pose significant threat
Goodman Street-Ridge Road		8	Monroe	Does not pose significant threat
Gulf Oil Company		8	Chemung	Non-qualifying waste:Petroleum products
Henrietta Town Dump		8	Monroe	Actively managed by DSW
High Acres Landfill		8	Monroe	Actively managed by DSW
Howard & Bowen		8	Monroe	Current Registry site
International Salt and Sterlin		8	Livingston	Non-qualifying waste:Salt
Irondequoit Dump		8	Monroe	Non-qualifying waste:Non-hazardous material
Jar's Extrusions		8	Monroe	Current Registry site

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Site Name	Site Number	Region	County	Reason
Jilson's Landfill	HS8026	8	Chemung	Does not pose a significant threat.
Karam Petroleum Inc.		8	Monroe	Non-qualifying waste:Petroleum products
Kendall Landfill (Orleans Dis)		8	Orleans	Actively managed by DSW
Kentucky Ave. Satellite #6		8	Chemung	Current Registry site
Kodak Park Division		8	Monroe	Current Registry site
Labelon Corp.		8	Ontario	Does not pose significant threat
LeRoy Machine		8	Genesee	Minimal probability of significant threat
Leastman Landfill	HS8035	8	Orleans	Qualifies for registry listing.
Leicester Landfill		8	Livingston	Does not pose significant threat
Little League/Granger		8	Monroe	Does not pose significant threat
Livonia Landfill		8	Livingston	Minimal probability of significant threat
Mobile Chemical Co.		8	Wayne	No evidence of disposal
Monroe Livingston Landfill		8	Livingston	Actively managed by DSW
Monroe Plating Inc.		8	Monroe	No evidence of disposal
NYSEG, Albion		8	Orleans	MGP Site under Consent Order with NYSDEC
NYSEG, Clyde		8	Wayne	MGP Site under Consent Order with NYSDEC
NYSEG, Corning		8	Steuben	No evidence of disposal
NYSEG, Dansville Gas Plant		8	Livingston	Current Registry site
NYSEG, Elmira Gas Plant		8	Chemung	Current Registry site
NYSEG, Geneva		8	Seneca	Current Registry site
NYSEG, Lyons		8	Wayne	MGP Site under Consent Order with NYSDEC
NYSEG, Newark		8	Wayne	MGP Site under Consent Order with NYSDEC
NYSEG, Palmyra		8	Wayne	MGP Site under Consent Order with NYSDEC
NYSEG, Penn Yan (Jackson St.)		8	Yates	MGP Site under Consent Order with NYSDEC
NYSEG, Penn Yan (Water St.)		8	Yates	MGP Site under Consent Order with NYSDEC
NYSEG, Seneca Falls		8	Seneca	MGP Site under Consent Order with NYSDEC
NYSEG, Waterloo		8	Seneca	No evidence of disposal
NYSEG, Yates		8	Yates	No evidence of disposal
National Gypsum-Gold Bond		8	Genesee	Non-qualifying waste:Non-hazardous substance
New Dearcrop Property		8	Monroe	Non-qualifying waste:Reinforced concrete, rock
NiMo, Albion Substation		8	Orleans	MGP Site under Consent Order with NYSDEC
Northwest Quad, SewageTrtPlant		8	Monroe	Actively managed by DOW
Nu-Kote (formerly Burroughs)		8	Wayne	Current Registry site
Ogden Town Dump		8	Monroe	Does not pose significant threat
Owens Illinois		8	Monroe	No evidence of disposal
Parma 6		8	Monroe	Minimal probability of significant threat
RG&E, Genesee River Gorge		8	Monroe	Duplicate site: Many sites in the Gorge listed separately
RG&E, Lake Ave.		8	Monroe	Duplicate site: RG&E, Ambrose Yard
Riga Town Landfill		8	Monroe	Does not pose significant threat
Rochester Circuits Inc.		8	Monroe	No evidence of disposal
Rte. 19 Drum Disposal, LeRoy		8	Livingston	Non-qualifying waste: Petroleum products
Rte. 19 Drum Disposal, McGinni		8	Genesee	Does not pose significant threat
Rush Industrial Landfill		8	Monroe	Actively managed by DSW
Sampson State Park		8	Seneca	Current Registry site
Semmel Road		8	Monroe	Does not pose significant threat
Son-Dar Enterprises		8	Monroe	Actively managed by DSW
Sperry Remington (Southport)	HS8053	8	Chemung	Site is under a Voluntary Cleanup Agreement
Springwater		8	Livingston	Minimal probability of significant threat
Sterilization Technical Serv		8	Monroe	Minimal probability of significant threat
Steuben-Alleghany BOCES		8	Steuben	Qualifies for Registry listing
Sweden 4 Beadle Road		8	Monroe	Does not pose significant threat
Taylor Instrument		8	Monroe	Remediated site
Texaco USA/A Div. of Texaco In		8	Monroe	No evidence of disposal
Town of Dix Landfill		8	Schuyler	Actively managed by DSW
Trimmer Road Landfill	HS8057	8	Monroe	Registry site
Vacuum Oil		8	Monroe	Qualifies for Registry listing
Waymor Landfill		8	Wayne	Actively managed by DSW

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Site Name	Site Number	Region	County	Reason
Webster Landfill		8	Monroe	Does not pose significant threat
Westinghouse (Horseheads)		8	Chemung	Current Registry site
William Benson Landfill		8	Livingston	Current Registry site
64th Street, South		9	Niagara	Does not pose significant threat
97th Street Methodist Church		9	Niagara	Remediated site
Air Force Plant #40		9	Erie	No evidence of disposal
Air Preheater Plant #2		9	Allegany	Does not pose significant threat
Airco Speer Carbon		9	Niagara	Current Registry site
Airco Welding Products		9	Erie	Non-qualifying waste: Non-hazardous material
Alcliff Landscaping		9	Niagara	Non-qualifying waste:Radioactive
Alcoa Buffalo Works		9	Erie	Minimal probability of significant threat
Allied Chem R&D Facility		9	Erie	No evidence of disposal
Allied Chemical Corp		9	Erie	Current Registry site
Allied Chemical Spec. Chem		9	U	Duplicate site:Allied Chemical Corp
Allied Chemical-Elberta Works		9	Niagara	Current Registry site
Allied Chemical/Hopkins Street		9	Erie	Remediated site
Altech Specialty Metal Corp.		9	Chautauqua	Actively managed by RCRA
Aluminum Match Plate Corp.		9	Erie	Does not pose significant threat
Amax Specialty Corp.		9	Erie	Remediated site
Arrowhead Camp Inc.		9	Cattaraugus	Non-qualifying waste:Petroleum products
Ashland Petroleum		9	Erie	Non-qualifying waste:Radioactive
Ashland Petroleum Site B		9	Erie	Current Registry site
Ashland Petroleum Site B		9	Erie	Current Registry site
Attica Correctional Facility		9	Wyoming	Minimal probability of significant threat
BBC Enterprises		9	Erie	Does not pose significant threat
Ballard Farm		9	Allegany	Current Registry site
Belden Site		9	Niagara	Does not pose significant threat
Bisonite Paint Co.		9	Erie	Current Registry site
Blasdell Village Landfill		9	Erie	Does not pose significant threat
Boehmer Property		9	Cattaraugus	No evidence of disposal
Brant Landfill		9	Erie	Actively managed by DSW
Buffalo Ave Site		9	Niagara	Minimal probability of significant threat
Buffalo Ave. WTP		9	Niagara	Current Registry site
Buffalo China		9	Erie	Does not pose significant threat
Buffalo Color - Deepwell		9	Erie	Non-qualifying waste: Non-hazardous material
Buffalo Forge Co. Plant #1		9	Erie	No evidence of disposal
Buffalo Forge Co. Plant #2		9	Erie	Actively managed by RCRA
Cadiz-TCE Study Area		9	Cattaraugus	No source identified
Carroll Landfill		9	Chautauqua	Duplicate site:Carroll Town Landfill
Carroll Town Landfill	HS9012	9	Chautauqua	Registry Site
Cattaraugus County LF (Farwell		9	Cattaraugus	Actively managed by DSW
Cherry Craft Woodcraft Inc.		9	Chautauqua	No evidence of disposal
Chrisholm-Ryder		9	Niagara	Does not pose significant threat
Clarence Ready Mix		9	Erie	Non-qualifying waste: Non-hazardous material
Clinton Bailey	HS9013	9	Erie	Remediated site
Consolidated Freightways		9	Erie	Minimal probability of significant threat
Consolidating Packaging Machin		9	Erie	Non-existant site
Cornell Lead Co.		9	Erie	Does not pose significant threat
Dart Street Former Fuel Gas Pl		9	Erie	Current Registry site
Day Farm		9	Allegany	Current Registry site
Deming Electroplating		9	Allegany	Current Registry site
Depew Village Landfill		9	Erie	Does not pose significant threat
Diamond Shamrock		9	Niagara	Current Registry site
Dibacco Site (UPS)		9	Niagara	Minimal probability of significant threat
Dresser Industries		9	Erie	Does not pose significant threat
E.I. DuPont		9	Erie	Current Registry site
ESB Inc., (Exide Corporation)		9	Erie	Remediated site

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Site Name	Site Number	Region	County	Reason
Elma Land 9 Inc.		9	Erie	Remediated site
Empire Waste		9	Erie	Minimal probability of significant threat
Erie-Lackawanna RR		9	Erie	Non-qualifying waste: Petroleum products
Evans Town LF		9	Erie	Actively managed by DSW
Expressway Village		9	Niagara	Does not pose significant threat
FMC Buffalo Stamping Plant		9	Erie	No evidence of disposal
FMC Corp.		9	Erie	Current Registry site
Felmont Oil		9	Cattaraugus	Non-qualifying waste: Non-hazardous material
Ferdinand Smith		9	Erie	Non-qualifying waste:Non-hazardous material
Fitch Farm		9	Wyoming	No evidence of disposal
Five Points Landfill		9	Cattaraugus	Actively managed by DSW
Flintkote Site		9	Niagara	No evidence of disposal
Frontier Bronze		9	Niagara	No evidence of disposal
Frontier Chemical		9	Niagara	Current Registry site
GMC/N of Plant #4		9	Erie	Non-qualifying waste: Non-hazardous material
George Schreiber		9	Erie	Non-qualifying waste:Stumps, building material, brush
George Steven's Private Dump		9	Allegany	Does not pose significant threat
Gold Bond		9	Erie	Non-qualifying waste:Non-hazardous material
Goodyear Tire and Rubber Co.		9	Niagara	Does not pose significant threat
Gowanda Village Landfill		9	Erie	Non-qualifying waste:BTEX
Great Lakes Carbon		9	Niagara	Non-qualifying waste: Non-hazardous material
Griffon Park		9	Niagara	Actively managed by EPA
Gutekunst		9	Erie	Minimal probability of significant threat
H.B. Fuller Co.		9	Erie	Does not pose significant threat
Hartwell Street Landfill	HS9024	9	Erie	Remediated Site
Harvey Newman & Son		9	Niagara	Non-qualifying waste:Iron oxide (mill scale)
Houdaille Manzel		9	Erie	Minimal probability of significant threat
Industrial Patterns	HS9028	9	Allegany	Does not pose a significant threat
International Paper Co.		9	Niagara	No evidence of disposal
International Paper Co. Niagar		9	Niagara	Minimal probability of significant threat
Kelly Island		9	Erie	Non-qualifying waste:Non-hazardous material
Koike - Aronson		9	Wyoming	Remediated site
Koppers Company (N. Tonawanda)		9	Niagara	No evidence of disposal
LaSalle Expressway		9	Niagara	No evidence of disposal
Liquid Carbonic		9	Erie	Minimal probability of significant threat
Little Valley Creek-TCE		9	Cattaraugus	No source identified
Lockport Air Force Station		9	Niagara	Remediated site
Magnus Co., Inc.	HS9042	9	Erie	Duplicate Site; HS9045
Marilla Town Landfill	HS9043	9	Erie	Remediated site; actively managed by DSW
Mollenberg-Betz		9	Erie	No evidence of disposal
Morris and Reiman Wrecking		9	Erie	Does not pose significant threat
Morton Salt		9	Wyoming	Non-qualifying waste: Salt
Mt. St. Mary's Hospital		9	Niagara	No evidence of disposal
NYS Thruway, Exit 52	SYL00115798	9	Erie	Non-qualifying waste:Non-hazardous material
NYSDOT		9	Erie	Non-qualifying waste:Non-hazardous material
NYSEG, Lockport		9	Niagara	MGP Site under Consent Order with NYSDEC
NYSEG, Lockport Substation		9	Niagara	MGP Site under Consent Order with NYSDEC
NYSEG, Warsaw		9	Wyoming	MGP Site under Consent Order with NYSDEC
Nat Fuel Dist. (Niagara Falls)		9	Niagara	Non-qualifying waste: Petroleum
Nat Fuel, Mineral Springs Work		9	Erie	Remediated site
Newstead Town LF		9	Erie	Does not pose significant threat
NiMo, Huntley Stat. (Fly Ash)		9	Erie	Actively managed by DSW
Niagara Falls Air Force Resv.		9	Niagara	Actively managed by RCRA
Niagara Falls Storage Site		9	Niagara	Non-qualifying waste:Radioactive
North Collins LF	HS9051	9	Erie	Remediated site; actively managed by DSW
Northern Demolition/Site A		9	Erie	Does not pose significant threat
Noury Chemicals		9	Niagara	Actively managed by RCRA

Site Name	Site Number	Region	County	Reason
Nuclear Fuel Service Inc.(West		9	Cattaraugus	Non-qualifying waste:Radioactive
Nuclear Fuels Service		9	Cattaraugus	Non-qualifying waste:Radioactive
O-Cel-O Sponge (products)		9	Erie	Does not pose significant threat
Old Brickyard		9	Erie	Non-qualifying waste: Brick
Otis Elevator		9	Erie	No evidence of disposal
PASNY- Upper Mt Drive		9	Niagara	Does not pose significant threat
PVS (Allied Chemical Ind. Chem		9	Erie	Does not pose significant threat
Pennwalt/Lucidol Div-Erie		9	Erie	Does not pose significant threat
Peter Cooper Site/Gowanda	HS9054	9	Cattaraugus	Registry Site; NPL Site
Pizza Hut #15		9	Cattaraugus	Minimal probability of significant threat
Power Authority Road Site		9	Niagara	Does not pose significant threat
Prestolite (Motorola Inc.)		9	Wyoming	Current Registry site
Putts Farm		9	Cattaraugus	Does not pose significant threat
R.P. Adams Co. Inc.		9	Erie	Does not pose significant threat
Ransomville Test Annex		9	Niagara	Remediated site
Robert Moses Parkway		9	Niagara	Does not pose significant threat
Roblin Steel		9	Chautauqua	Remediated site
Rodeway Inn/LaSalle Yacht Club		9	Niagara	Does not pose significant threat
Ross Steel		9	Niagara	Remediated site
Rotary Company		9	Erie	Minimal probability of significant threat
Royalton LF		9	Niagara	Actively managed by DSW
SCA		9	Niagara	Actively managed by RCRA
Sabre Park Site		9	Niagara	Current Registry site
Shanco Plastics & Chemicals		9	Erie	Current Registry site
South Stockton Landfill		9	Chautauqua	Current Registry site
Spencer Kellogg		9		Actively managed by DOW
Squaw Island	HS9060	9	Erie	Remediated site; actively managed by DSW
St.Mary's & Bishop Duffy Schoo		9	Niagara	Non-qualifying waste:Radioactive
Stock's Pond		9	Erie	Does not pose significant threat
Texaco USA		9	Erie	Non-qualifying waste:Petroleum products
Tift & Hopkins St		9	Erie	Current Registry site
Tonawanda Incinerator		9	Erie	Non-qualifying waste:Radioactive
Tops Market	HS9063	9	Niagara	Remediated Site
Town of Amherst		9	Erie	Minimal probability of significant threat
Town of Hartland LF		9	Niagara	Minimal probability of significant threat
Town of Lockport Landfill		9	Niagara	Minimal probability of significant threat
US Steel- Eastern Div.		9	Erie	Non-qualifying waste: Non-hazardous material
Union Carbide-Linde Division		9	Erie	Non-qualifying waste:Radioactive
Vac-Air Alloys		9	Chautauqua	No evidence of disposal
Veteran's Park		9	Erie	No evidence of disposal
Vitullo		9	Niagara	Non-qualifying waste: Petroleum Products
Wales Town LF		9	Erie	Actively managed by DSW
Walmore Rd- Johnson Property		9	Niagara	Does not pose significant threat
Westinghouse (Attica)		9	Wyoming	Does not pose significant threat
Whirlpool Site		9	Niagara	Does not pose significant threat
Whiting Development Corp.		9	Erie	Non-qualifying waste: Gypsum
Whiting Roll-up Door		9	Erie	Actively managed by DSW
Youngstown Test Annex	HS9075	9	Niagara	Remediated site.

SYL00115799

APPENDIX B

**ACTIVE DATABASE OF HAZARDOUS
SUBSTANCE WASTE DISPOSAL SITES IN
NEW YORK, SEPTEMBER 1998**

SYL00115800

Site Name	Site Number	Region	Town	County	Zip Code	EPA ID
AGO Associates	HS1001	1	West Hicksville	Nassau	11753	NYD986888899
AMFAR Asphalt Corp.	HS1002	1	Smithtown	Suffolk	11754	NYD986943637
Brinkmann Instruments Inc.	HS1003	1	Westbury	Nassau	11590	NYD002054351
Camp Hero Naval Facility N.Div	HS1005	1	Montauk Point	Suffolk	11954	NY4210020414
Central Aviation & Marine Corp	HS1006	1	Ronkonkoma	Suffolk	11779	NYD002412963
Genii Research	HS1010	1	Amityville	Suffolk	11701	None
Hampton Bays Landfill	HS1011	1	Southampton	Suffolk	11968	NYD980762587
Holtsville Landfill	HS1012	1	North Patchogue	Suffolk	11772	NYD980506786
Irving Levey Estate	HS1013	1	Farmingdale	Suffolk	11735	None
Kaiser Alum. & Chem. Sales Inc	HS1014	1	Woodbury	Nassau	11797	NYD040462863
LILCO, Patchogue Gas Plant	HS1018	1	Patchogue	Suffolk	11772	None
Landfill at Uniondale Shop.Ctr	HS1020	1	Uniondale	Nassau	11553	None
MacKenzie Barn	HS1021	1	Calverton	Suffolk	11933	None
Mergenthaler Linotype Facility	HS1023	1	Plainview	Suffolk	11803	NYD056022833
Mitchel Field	HS1025	1	Hempstead	Nassau	11055	NYD991292004
Old North Sea Landfill	HS1026	1	North Sea	Suffolk	11946	NYD982531261
Patchogue Lace Mill	HS1027	1	Patchogue	Suffolk	11772	None
Polycom Huntsman	HS1028	1	Farmingdale	Suffolk	11735	NYD047663505
Pro Recycling	HS1029	1	Blue Point	Suffolk	11715	None
Pro Recycling and Transfer Inc	HS1030	1	Brentwood	Suffolk	11717	None
Quiogue Landfill	HS1031	1	Quiogue	Suffolk	11968	NYD980762462
Ron Lyn Inc.	HS1032	1	Babylon	Suffolk	11798	NYD075786111
Servo Corp. of America	HS1034	1	Hicksville	Nassau	11802	NYD002418911
Smithtown Landfill	HS1035	1	Kings Park	Suffolk	11754	NYD980762611
Suffolk Airport C&D site	HS1038	1	Westhampton Beach	Suffolk	11978	NYD981186943
Suffolk Materials Mining Corp.	HS1039	1	East Setauket	Suffolk	11733	NYD003797248
Target Rock Corp.	HS1040	1	Farmington	Suffolk	11735	NYD002034056
Tojaelco Inc.	HS1041	1	Bayshore	Suffolk	11706	None
Triad (#6)	HS1042	1	Lake Success, NY	Nassau	11042	None
1247 38th Street, Brooklyn	HS2001	2	Brooklyn	Kings	11218	None
Algen Press	HS2003	2	College Point	Queens	11356	NYD001362375
BUG, Belmont Works	HS2005	2	Brooklyn	Kings	11207	NYD980532097
BUG, Equity Works	HS2009	2	Brooklyn	Kings	11222	NYD980532048
BUG, Flatbush Works	HS2010	2	Brooklyn	Kings	11225	NYD980531966
BUG, Fulton Municipal Works	HS2011	2	Brooklyn	Kings	11201	NYD980531982
BUG, Greenpoint Energy Facilit	HS2012	2	Brooklyn	Kings	11222	NYD980532014
BUG, Kings County Works	HS2013	2	Brooklyn	Kings	11220	NYD980532055
BUG, Metropolitan Works	HS2014	2	Brooklyn	Kings	11215	NYD980532006
BUG, Peoples Works	HS2016	2	Brooklyn	Kings	11211	NYD980532105
BUG, Williamsburg Works	HS2017	2	Brooklyn	Kings	11211	NYD980532030
Berry Street Housing Project	HS2018	2	Brooklyn	Kings	11211	None
Chelsea Terminal	HS2020	2	Staten Island	Richmond	10314	NYD980528384
ConEd, Flushing River Coking	HS2022	2	New York	Queens	11361	NYD980532345
ConEd, Hunts Point Coking Sta.	HS2023	2	Bronx	Bronx	10474	NYD980532352
ConEd, Manhattan Coking	HS2024	2	Manhattan	Manhattan	10025	NYD980532337
Fairfield Estates	HS2025	2	Howard Beach	Queens	11414	None
Former BUG, Bay Ridge/51st Str	HS2026	2	Brooklyn	Kings	11220	NYD980532089
Grand Central Parkway	HS2029	2	Bellrose	Queens	11426	NYD980778427
Halleck Street	HS2030	2	NYC	Bronx		None
Hamilton Ave Piers	HS2031	2	Brooklyn	Kings	11232	NYD980768733
Harlem River Yard	HS2032	2	Bronx	Bronx		None
Idlewild Construction Waste LF	HS2033	2	New York City	Queens	U	None
Oak Point/Brite Star	HS2036	2	Bronx	Bronx	10474	None
Peerless Instrument Co., Inc.	HS2037	2	Elmhurst	Queens	11373	NYD001556885
Rikers Island	HS2038	2	Rikers Island	Bronx	11370	NYD980289375
Rossville Jail Site	HS2039	2	Staten Island	Richmond	10309	NYD986899938
Route 9A - Manhattan	HS2040	2	New York City	New York	10002	None
Spring Creek/Gateway Estates	HS2041	2	Brooklyn	Kings	11208	None
Sun Chemical Corporation	HS2042	2	Rosebank, S.I.	Richmond	10305	None
Varick Avenue	HS2043	2	Brooklyn, NY	Kings	11237	None

Site Name	Site Number	Region	Town	County	Zip Code	EPA ID
Amthor's Welding Sevice	HS3002	3	Walden	Orange	12586	None
Arsenic Mines Site	HS3003	3	Kent	Putnam	10512	NYD982531469
Bayview Avenue Landfill	HS3004	3	Cornwall-on-Hudson	Orange	12520	None
Bedford Ponds	HS3006	3	Bedford Hills	Westchester	10507	None
C&D, Greymore Landfill	HS3007	3	Phillipstown	Putnam	10566	None
C&D, Rte 52 Hills Holding Corp	HS3008	3	Fallsburg	Sullivan	12733	None
CHG&E, Kingston Gas Plant	HS3011	3	Kingston	Ulster	12401	NYD980531818
CHG&E, Saugerties Coal Gas	HS3015	3	Saugerties	Ulster	12477	None
Clinton Town LF	HS3016	3	Clinton	Dutchess	12514	NYD980507982
Cornwall Landfill	HS3018	3	Cornwall	Orange	12518	NYD570024451
Creosote Plant	HS3019	3	Rockland	Sullivan		None
Electronics for Medicine	HS3022	3	Pleasantville	Westchester	10570	NYD986882694
Fishkill Town LF	HS3023	3	Fishkill	Dutchess	12524	NYD980508287
G.H Treyz & Co.	HS3024	3	Rockland	Sullivan	12758	None
G.H. Treyz Willowemoc Plant	HS3025	3	Neversink	Sullivan	12765	None
George Treyz Horton Plant	HS3027	3	Horton	Sullivan	12745	None
Georgia Pacific Corp.	HS3028	3	Warwick (v)	Orange	10990	NYD054067756
Greenhaven Correctional Instit	HS3029	3	Beekman	Dutchess	12570	NYD000010200
Harmon Railroad Yard	HS3030	3	Croton on Hudson	Westchester	10520	None
Kerry Chemical at Hazel	HS3033	3	Hazel	Sullivan		None
King Brothers Co.	HS3034	3	Fremont	Sullivan	12736	None
Kings Brothers Co. (Acidalia)	HS3035	3	Fremont	Sullivan	12736	None
Luzerne Chemical Co.	HS3037	3	Fremont	Sullivan	12736	None
Merion Bluegrass Sod Farm	HS3039	3	Wawayanda	Orange	10958	NYD980534689
Minisink Rubber	HS3040	3	Unionville	Orange	10988	NYD061335113
Newburgh Landfill	HS3041	3	Newburgh	Orange	12550	NYD980534846
North of Ramapo Well Field	HS3042	3	Ramapo	Rockland	10974	NYD980762678
O&R Utilities, Monroe	HS3047	3	Monroe	Orange	10950	NYD000706143
Orkin Exterminating Co.	HS3052	3	LaGrangeville	Dutchess	12540	None
Pawling Village Landfill	HS3054	3	Pawling	Dutchess	12564	NYD980507453
Phelps & Sons	HS3055	3	Newburgh	Orange	12550	None
Pleasant Valley Landfill	HS3056	3	Pleasant Valley	Dutchess	12569	NYD980507511
Port Chester Harbor	HS3057	3	Port Chester	Westchester	10573	None
Quaker Road, Mt. Ivy Swamp	HS3059	3	Haverstraw	Rockland	10927	NYD981184179
Ramapo Incinerator	HS3062	3	Ramapo	Rockland	10901	NYD980507545
Roscoe	HS3065	3	Roscoe	Sullivan	12776	NYD986870608
Roscoe (DeBruce)	HS3066	3	Livingston Manor	Sullivan	12758	None
Roscoe (Grooville)	HS3067	3	Rockland	Sullivan		None
Roscoe (Spring Brook)	HS3068	3	Rockland	Sullivan		None
Skinner Track	HS3070	3	Wawayanda	Orange	10958	None
Stamplate Inc.	HS3071	3	Walkkill	Ulster	12589	NYD002427953
Thomas Keery Co.	HS3072	3	Rockland	Sullivan		None
Thomas Kerry Chemical Co. (Ros	HS3073	3	Rockland	Sullivan		None
VA Hospital	HS3074	3	Castle Point	Dutchess	12511	NY8360007282
DeLuca Farms	HS3077	3	Carmel	Putnam	10541	None
Adirondack Steel Casting Co.	HS4001	4	Watervliet	Albany	12189	NYD000001410
Arkville Chemical Co.	HS4002	4	Middletown	Delaware	10940	None
Austerlitz Town Garage	HS4003	4	Spencertown	Columbia	12165	None
Beerston Acetate Factory	HS4004	4	Walton	Delaware	13856	None
Burnwood	HS4005	4	Hancock	Delaware	13783	None
C&D Moran Site	HS4006	4	Philmont	Columbia	12565	None
C&D, Ferro Site	HS4007	4	Catskill	Greene	12414	None
C&D, LaMunyan	HS4008	4	Clermont	Columbia		None
C.W. Peak	HS4009	4	Hancock	Delaware	13783	None
Cadosia Lumber	HS4010	4	Cadosia	Delaware	13783	None
Centerville Plant	HS4011	4	Hancock	Delaware	13783	None
Cook's Falls Dye Works	HS4012	4	Colchester	Delaware		None
Cooks Falls	HS4013	4	Colchester	Delaware		None
Corbett & Stuart	HS4014	4	Colchester	Delaware		None
Corbett and Stewart Harvard Pl	HS4015	4	Hancock	Delaware	13783	None

Site Name	Site Number	Region	Town	County	Zip Code	EPA ID
East Greenbush Landfill	HS4016	4	East Greenbush	Rensselaer	12061	NYD982269938
Elk Brook	HS4017	4	Hancock	Delaware	13783	None
G. Treyz (Russell Brook Plant)	HS4018	4	Colchester	Delaware		None
George I. Treyz	HS4019	4	Colchester	Delaware		None
Griffin Labs	HS4020	4	Guilderland (T)	Albany	12084	NYD986871713
Hendrick Hudson Fish and Game	HS4021	4	Wyantskill	Rensselaer	12198	U
Kerry Brothers (Keeryville)	HS4022	4	Hancock	Delaware	13783	None
Kerry Brothers (Tyler's Switch	HS4023	4	Hancock	Delaware	13783	None
Lordville Coal Tar Site	HS4024	4	Lordville	Delaware		NYD986913572
Luzern Upper Fish's Eddy Acid	HS4025	4	Hancock	Delaware	13783	None
Maryland Wood Products	HS4026	4	Maryland	Otsego	12116	None
Methol Plant, Hammond and Fish	HS4027	4	Hancock	Delaware	13783	None
Miner Edgar Chemical Corp.	HS4028	4	Walton (T)	Delaware	13856	None
Old Glenville Landfill	HS4030	4	Glenville	Schenectady	12302	NYD980506646
Old Greene Co. Landfill	HS4031	4	Cairo	Greene	12413	None
Potic Mountain Dump	HS4032	4	Coxsackie	Greene	12051	None
Readburn Plant	HS4033	4	Hancock	Delaware	13783	None
Republic Steel Corporation	HS4034	4	Troy	Rensselaer	12180	NYD980532444
Scotia Naval Depot	HS4035	4	Scotia	Schenectady	12302	None
Shinhopple Plant	HS4036	4	Colchester	Delaware		None
Thomas Kerry Co.	HS4037	4	Hancock	Delaware	13783	None
Thomas Kerry Fish's Eddy Plant	HS4038	4	Hancock	Delaware	13783	None
Unadilla Clifton Street	HS4040	4	Unadilla	Otsego	13849	None
Peebles Island Landfill	HS5002	5	Waterford	Saratoga	12188	NYD980507461
Pontiac Bay	HS5003	5	Saranac Lake	Essex	13340	None
Ten Eyck Sewage Disposal	HS5004	5	Milton	Saratoga	12863	NYD980535322
Milligan and Higgins	HS5005	5	Johnstown	Fulton	12095	
Boise Cascade Landfill #2	HS6001	6	Lowville	Lewis	13367	NYD088658604
Hurlburt Property	HS6002	6	Floyd(New Rome)	Oneida	U	None
Keystone Wood Chemical Co.	HS6003	6	Martinsburg	Lewis	13404	None
Manchester Dump	HS6004	6	Western	Oneida	13486	None
Middleville Tannery Dump	HS6005	6	Norway	Herkimer	13416	NYD986895290
NOCO Landfill	HS6006	6	Annsville	Oneida		None
Oneida County Airport	HS6009	6	Whitestown	Oneida	13424	NYD980534945
Sperry Univac (Ilion)	HS6011	6	Ilion	Herkimer	13357	NYD980532592
Binghamton Gas Co., Water St.	HS7001	7	Binghamton, NY	Broome	13901	None
Borden Plastics	HS7002	7	Bainbridge	Chenango	13733	None
Brockway Motor Trucks	HS7004	7	Cortland	Cortland	13045	NYD980203111
Brookdale Chemical Company	HS7005	7	Conklin	Broome	13748	None
Burton Junkyard Site	HS7006	7	Palermo (V)	Oswego	13132	NYD981185226
Chenango County Landfill	HS7007	7	Norwich	Chenango	13815	NYD980532451
DOT Splitrock Road Site	HS7008	7	Onondaga (T)	Onondaga	13209	NYD986882652
DeWitt Fish and Game Club	HS7009	7	DeWitt	Onondaga	13214	U
Hastings Town Dump	HS7010	7	Hastings	Oswego	13076	None
Murtaugh Landfill	HS7011	7	Hastings	Oswego	13076	None
NYSEG, Johnson City	HS7013	7	Johnson City	Broome	13790	U
Neil Guiles Property	HS7014	7	Vestal (T)	Broome	13850	NYD057766073
Northeastern Steel	HS7015	7	Altmar	Oswego	13302	None
Osbeck Farm	HS7016	7	Cortlandville	Cortland	13045	None
Pall Trinity Micro	HS7017	7	Cortlandville	Cortland	13045	NYD002043396
Pierce's Auto Parts	HS7018	7		Madison		None
Potter Paint Company Inc.	HS7019	7	Cortland	Cortland	13045	NYD002228682
Re-Ho-Both Enterprises	HS7020	7	Aurelius	Cayuga		None
Rynone Industries	HS7021	7	Barton (T)	Tioga	13737	None
Six Town Landfill	HS7022	7	Candor	Tioga	13743	NYD982181125
Turf Tailors	HS7023	7	Fayetteville	Onondaga	13066	NYD085158855
U.S. Army Reserve Center	HS7024	7	Mattydale	Onondaga	13211	NY1210094115
Agway - Knowlesville	HS8001	8	Ridgeway	Orleans	14103	None
Agway Fertilizer Plant	HS8002	8	Big Flats	Chemung	14814	NYD980528202
Big Flats/Oldies But Goodies	HS8003	8	Big Flats	Chemung	14903	None

Site Name	Site Number	Region	Town	County	Zip Code	EPA ID
Brighton Town Landfill	HS8004	8	Brighton	Monroe	14610	NYD980762710
Claude Pulver Landfill	HS8005	8	Starkey	Yates	14837	NYD980507974
Conrail Rail Yards	HS8007	8	Rochester	Monroe	14609	None
Corning Incorporated	HS8008	8	Corning, NY	Steuben	14831	NYD041290198
Doehler-Jarvis Castings	HS8009	8	Batavia	Genesee	14020	NYD074021171
East Rochester Fill Area	HS8010	8	East Rochester	Monroe	14445	None
East West Bloomfield	HS8011	8	West Bloomfield	Ontario	14585	NYD980762769
Erie Canal Industrial Park B2	HS8012	8	Rochester	Monroe	14608	None
Ex-Eaton Corp. Const. Div.	HS8013	8	Batavia	Genesee	14020	NYD980654404
Former Canandaigua MGP Site	HS8014	8	Canandaigua	Ontario	14424	NYD980531339
Gates Dump @ Hinchey Road	HS8016	8	Gates	Monroe	14624	NYD986994408
Genesee Sand and Gravel	HS8017	8	Victor	Ontario	14564	NYD013384219
Geneva Landfill	HS8018	8	Geneva	Ontario	14456	NYD981560816
Gordon Gardner	HS8019	8	Big Flats	Chemung	14814	NYD000511691
Granger Landfill	HS8020	8	Perinton	Monroe	14450	NYD980762660
Greece Landfill-Flynn Road LF	HS8021	8	Greece	Monroe	14626	NYD980762553
Hilferty Barn	HS8022	8	Woodhull	Steuben	14562	New
Horan Rd. Landfill	HS8023	8	Medina	Orleans	14103	NYD981185242
Hornell Street Extension	HS8024	8	Hornell	Steuben	14843	NYD980780787
Hulberton Maintenance Yard	HS8025	8	Murray	Orleans	14470	NYD982531220
Kaplan Container	HS8027	8	East Rochester	Monroe	14445	NYD981560881
Kentucky Ave. Satellite #1	HS8028	8	Horseheads	Chemung	14845	NYD981560428
Kentucky Ave. Satellite #18	HS8029	8	Horseheads	Chemung	14845	NYD981560444
Kentucky Ave. Satellite #2	HS8030	8	Horseheads	Chemung	14845	NYD981560527
Kentucky Ave. Satellite #4	HS8031	8	Horseheads	Chemung	14845	NYD981560436
Kentucky Ave. Satellite #7	HS8032	8	Elmira Heights	Chemung	14845	NYD980650667
Koppers Company (Elmira)	HS8033	8	Elmira	Chemung	14845	None
Leach Property	HS8034	8	East Williamson	Wayne	14589	None
Lindberg Heat Treating Company	HS8036	8	Rochester	Monroe	14611	NYD043075092
Macedon Landfill	HS8037	8	Macedon	Wayne	14502	NYD986886182
Miljo Corp.	HS8038	8	Rochester (C)	Monroe	14611	NYD980508063
Monarch Sand & Gravel(Lipari)	HS8039	8	Parma	Monroe	14559	NYD980534747
NYSDOT Pittsford, Monroe Ave	HS8040	8	Pittsford	Monroe	14534	NYD981560832
Old Rochester Landfill	HS8041	8	Irondequoit	Monroe	14600	NYD980507594
Owens-Illinois	HS8042	8	Brockport	Monroe	14420	NYD002708742
Penn Yan Boats	HS8043	8	Penn Yan, NY	Yates	14527	NYD002217008
Pulcini Scavenger	HS8044	8	Macedon, NY	Wayne	14502	NYD980762744
RG&E, Ambrose Yard	HS8045	8	Rochester	Monroe	14614	None
RG&E, Brooks Ave Tank Farm	HS8046	8	Rochester	Monroe	14619	NYD000818781
RG&E, East Station (Sunpru St)	HS8047	8	Rochester	Monroe	14608	NYD980531230
RG&E, Front Street	HS8048	8	Rochester	Monroe		None
Rochester Metal Etching	HS8049	8	Rochester	Monroe	14608	None
Schutt Scrapyard	HS8050	8	Corning	Steuben	14810	None
Scottsville Rd., Chili 2	HS8051	8	Chili	Monroe	14624	NYD980762504
Sodus Fruit Farm	HS8052	8	Sodus	Wayne	14551	None
Stromberg Carlson/Gen. Circuit	HS8054	8	Rochester	Monroe	14610	None
Sun Chemical Corporation(Reg8)	HS8055	8	Chili	Monroe	14264	NYD041288689
Tom Paxton Chevrolet, Inc.	HS8056	8	Scottsville, NY	Monroe	14546	NYD981133408
Union Processing Corp.	HS8058	8	North Chili	Monroe	14514	NYD079681342
Wolfe Farm	HS8059	8	Big Flats	Chemung	14814	NYD980535595
59th Street Site	HS9001	9	Niagara Falls	Niagara	14304	New
ABC Paving	HS9002	9	West Seneca	Erie	14224	None
Agway Felmont	HS9003	9	Olean	Cattaraugus	14760	None
Apollo Steel	HS9004	9	Niagara Falls	Niagara	14304	New
Ashland Petroleum Corp.	HS9005	9	Tonawanda	Erie	14150	NYD063653133
Bernard Cope	HS9006	9	Akron	Erie	14001	NYD981560785
Brant Landfill	HS9007	9	Brant	Erie	14027	NYD000513747
Brzezinski Property	HS9008	9	Wheatfield	Niagara		NYD980507008
Buffalo Pumps	HS9009	9	N. Tonawanda	Niagara	14120	NYD002127199
CSX Transportation	HS9010	9	Ellicottville	Cattaraugus	14731	None

Site Name	Site Number	Region	Town	County	Zip Code	EPA ID
Carborundum Building 82	HS9011	9	Niagara Falls	Niagara	14302	NYD42513754
Donner-Hanna Coke	HS9014	9	Buffalo	Erie	14220	NYD002110971
Ed Ball Sanitation	HS9015	9	Evans	Erie	14006	NYD000513788
Eden Sanitation	HS9016	9	Eden	Erie	14057	NYD000512822
Enviromelt	HS9017	9	Dunkirk, NY	Chautauqua	14048	None
Erie Basin Marina	HS9018	9	Buffalo	Erie	14202	NYD980508220
Ferro Corp. Electro Division	HS9019	9	Lackawanna	Erie	14128	NYD043814003
Former City of Olean Landfill	HS9020	9	Clarksville	Allegany	12041	NYD986954667
Formso Landfill	HS9021	9	Perry	Wyoming	14530	None
Fox Road Site	HS9022	9	North Collins	Erie	14111	NYD00514026
GCF Industries	HS9023	9	Buffalo	Erie	14206	None
Hopkins Street Landfill	HS9025	9	Buffalo	Erie	14220	NYD980763890
Houghton Park	HS9026	9	Buffalo	Erie	14202	NYD980506836
Hydraulic Canal	HS9027	9	Niagara Falls	Niagara	14303	NYD980506869
J.T. Salvage	HS9029	9	Porter	Niagara	14174	NYD981562010
James Fox Site	HS9030	9	Angola	Erie	14006	NYD980766208
Kozdranski Property	HS9031	9	Wheatfield	Niagara	14120	None
LSB Warehousing	HS9032	9	Blasdell	Erie	14219	NYD986886091
LaSalle Reservoir	HS9033	9	Buffalo	Erie	14215	NYD980534606
Lackawanna Landfill	HS9034	9	Lackawanna	Erie	14218	NYD980506976
Lancaster Reclamation	HS9035	9	Lancaster	Erie	14086	NYD000513911
Lehigh Valley RR	HS9036	9	Buffalo	Erie	14204	NYD000513945
Leshner Junk	HS9037	9	Niagara Falls	Niagara		New
Lewiston Town Landfill	HS9038	9	Lewiston	Niagara	14107	NYD099331118
Lockport Rd/ Struzik Property	HS9039	9	Wheatfield	Niagara	14304	None
MacNaughton Brooks	HS9040	9	Buffalo	Erie	14210	NY0980507016
Machias LF	HS9041	9	Machias	Cattaraugus	14101	NYD982531204
Mina Landfill	HS9044	9	Mina	Chautauqua	14757	NY0980507081
N.L Industries	HS9045	9	Depew	Erie	14043	NYD980531636
Nat Fuel, Buffalo Servicer	HS9046	9	Buffalo	Erie	14202	None
New Buffalo Industrial Park	HS9047	9	Buffalo	Erie	14206	None
New Road	HS9048	9	Niagara Falls	Niagara	14304	NYD980507149
Niagara Falls Business Forms	HS9049	9	Niagara Falls	Niagara	14304	New Site
Niagara Junction Railway	HS9050	9	Niagara Falls	Niagara	14304	New Site
Olean (alcohol refinery)	HS9052	9	Olean	Cattaraugus	14760	None
Peter Cooper Corporation	HS9053	9	Markhams	Cattaraugus		NYD980592547
Procknal & Katra Trucking	HS9055	9	Blasdell	Erie	14219	NYD000514042
Pyron Metal	HS9056	9	Niagara Falls	Niagara	14304	New Site
Silbergeld Junkyard	HS9057	9	Niagara Falls	Niagara	14302	NYD000514455
Sm. Boat Harbor/Diked Disposal	HS9058	9	Buffalo	Erie	14205	None
Springville Landfill	HS9059	9	Springville	Erie	14141	NYD074024399
Stauffer Chemical Whitaker	HS9061	9	Lewiston	Niagara	14092	NYD980507321
Times Beach	HS9062	9	Buffalo	Erie	14207	NYD980535330
Town of Evans LF	HS9064	9	Evans	Erie	14006	NYD000513820
Town of Harmony Landfill	HS9065	9	Harmony	Chautauqua	14767	None
Town of North Collins LF	HS9066	9	Collins	Erie	14034	NYD000513762
Union Carbide Corporation	HS9067	9	Niagara Falls	Niagara	14304	NYD980532410
Valeo Engine Cooling	HS9068	9	Ellicott	Chautauqua	14702	None
Ventry Property	HS9069	9	Wheatfield	Niagara	14304	None
WL McDougall Co.	HS9070	9	Buffalo	Erie	14210	NYD980531693
West Seneca Transfer Station	HS9071	9	West Seneca	Erie	14224	NYD980535520
Weston Mills	HS9072	9	Portville	Cattaraugus	14770	NYD980535546
Winsmith Div.-UMC Corp.	HS9073	9	Springville	Erie	14141	NYD002123552
Witmer Rd. Drive In	HS9074	9	Niagara(T)	Niagara	14300	None
64th Street North	HS9076	9	Niagara Falls	Niagara		NYD980507206
Allied Chemical-Elberta Works	HS9077	9	Wilson	Niagara	14131	NYD002128544

SYL00115805

APPENDIX B - Annotated

**ACTIVE DATABASE OF HAZARDOUS
SUBSTANCE WASTE DISPOSAL SITES WITH DESCRIPTIONS,
SEPTEMBER 1998**

SYL00115806

Legend

The following symbols are used in the Hazardous Substance Waste Disposal Site Descriptions:

Y - Yes
N - None or No
U - Unknown
E - Environment
D - Delisted Registry Site
P - Private (for owners or operators) or Public Health
M - Municipal
F - Federal
S - State
C - County

Site Types:

1 - Industrial Site
 1A - spill
 1B - leaking tanks, drums, lagoons, other containers
2A - Coal Gasification Plant
2B - Wood Chemical Plant
3A - Municipal Landfill
3B - Industrial Landfill
4 - Construction and Demolition Debris Site
5 - Other or Unknown - for sites which do not fall into any of the above categories

Active Hazardous Substances Waste Disposal Site Inventory

Site Name AGO Associates	Region 1	Site Code 1A	EPA ID# NYD986888899
HS Site Number HS1001	County Nassau	Was the site ever on the Registry? D	Registry # 130029
Site Address West John Street		Owner Twin County Asphalt Corp.	
West Hicksville 11753		Operator Same	

Site Description

AGO associates purchased the property in 1963, a previously existing sand pit, which occupied 2/3's of the parcel was used for landfilling C&D debris. In 1973 the Nassau County DOH began inspecting the landfill on a monthly basis. During an October 1974 inspection approx. one hundred, 55 gal drums of solvents, lacquers, and thinners were discovered at the site. By December 1974 all drums were disposed of properly. The operations ceased in January 1979. A final topsoil was applied and the property was graded as noted in the final weekly site inspections conducted by the NCDOH. In 1987 NYSDEC conducted a sampling program where low levels of pesticides, organics, and VOC's were observed. No further action taken by Solid Waste.

Hazardous Substances Disposed

1,1,1-trichloroethane; trichloroethylene; tetrachloroethylene; 1,1,2 trifluoroethane; 4,4'DDD, 75 54 8; 4,4'DDE, 72 55 9; 4,4'DDT, 50 29 3; Heptachlor Epoxide, 1024 57 3; Benzene, 71 43 2; 2 butanone, 78 93 3; fluoranthene, 206 44 0; pyrene, 129 00 0

Describe Potential Hazardous Threat

Although contamination has been reported in the wells downgradient of the site, connections have not been established between the contamination and the past activities at the AGO Associates landfill operation. The landfill has no liner or leachate collection system.

Site Name AMFAR Asphalt Corp.	Region 1	Site Code 1	EPA ID# NYD986943637
HS Site Number HS1002	County Suffolk	Was the site ever on the Registry? D	Registry # 152128
Site Address Town Line Rd		Owner AMFAR Asphalt Corp.	
Smithtown 11754		Operator U	

Site Description

The site is a sand and gravel excavation site located approximately 3 miles south of Long Island's north shore on Town Line Rd in King's Park. The site consists of two adjoining parcels of 11.9 and 9.42 acres each. The property has been used as a sand and gravel operation which is permitted. It has also been used as an informal, unpermitted dumping area and as a storage area for AMFAR Asphalt Corp. Smithtown Code Enforcement Bureau has cited seven code violations. NYSDEC funded Phase II investigation did not confirm the presence of 6NYCRR part 371 hazardous waste on-site.

Hazardous Substances Disposed

1,1,2-trichloroethane, chloroform, trichloroethane, chromium

Describe Potential Hazardous Threat

The site is located over the recharge zone of a primary aquifer and the strong possibility of subsurface contamination from activities at this site.

Site Name Brinkmann Instruments Inc.	Region 1	Site Code 1	EPA ID# NYD002054351
HS Site Number HS1003	County Nassau	Was the site ever on the Registry? N	Registry # N
Site Address Cantiaque Rock Road		Owner Brinkmann Instruments Inc.	
Westbury 11590		Operator Same	

Site Description

The waste unit is a septic tank outside the Brinkmann building within the site limits. A drain connects the septic tank to a laboratory drain.

Hazardous Substances Disposed

acetone, chloroform, 1,2 dichloroethane, ethyl acetate, methanol, dichloromethane

Describe Potential Hazardous Threat

Direct contact is not a threat. There are no known wells that are at a depth where contaminants may be found.

Site Name Camp Hero Naval Facility N.Div	Region 1	Site Code 1B	EPA ID# NY4210020414
HS Site Number HS1005	County Suffolk	Was the site ever on the Registry? N	Registry # N
Site Address Camp Hero Road		Owner F	
Montauk Point 11954		Operator 5-Many	

Site Description

From 1950-1982 the US airforce occupied a portion of the site. It is reported that 9 above-ground and 6 underground tanks containing fuel oil were on site. The Suffolk County DOH Inspection revealed that 100 Gal. of various paints were stored in a locker at one end of the bunker. A photography lab may have produced haz. wastes. Oil filled transformers were also reported on site. It is unknown if any waste has been disposed or where it would have been disposed.

Hazardous Substances Disposed

Suspected transformer oil, paint and photography lab wastes

Describe Potential Hazardous Threat

Antifreeze spilled west of building 203. PCB's cleanup underway.

SYL00115808

Active Hazardous Substances Waste Disposal Site Inventory

Site Name Central Aviation & Marine Corp	Region 1	Site Code 1	EPA ID# NYD002412963
HS Site Number HS1006	County Suffolk	Was the site ever on the Registry? N	Registry # N
Site Address 2125 Smithtown Ave. Ronkonkoma 11779		Owner Central Aviation & Marine Corp	Operator Sam Pellegrino, Pres.

Site Description

Repair shop for aircraft parts. Discharged waste water to storm drains, leaching pools, and cesspools on site. The stormdrains recharge to groundwater.

Hazardous Substances Disposed

copper, lead, iron, silver, toluene, xylene, chromium, 1,1,1-trichloroethane, methylene chloride, cadmium

Describe Potential Hazardous Threat

A sampling of a storm drain in 1984 still revealed concentrations of methylene chloride, 1,1,1-trichloroethane, xylene and toluene even after an Aug. 25, 1988 consent order to haul waste off site. The drinking water in the area has been affected, causing potential harm to the public.

Site Name Genii Research	Region 1	Site Code 1A	EPA ID# None
HS Site Number HS1010	County Suffolk	Was the site ever on the Registry? N	Registry # N
Site Address 680 Albany Ave Amityville 11701		Owner Tom Baroni	Operator U

Site Description

Plating operation in trailer body behind main building.

Hazardous Substances Disposed

Chromium; Copper; Lead; Nickel

Describe Potential Hazardous Threat

Heavy metals at surface of ground, possible human exposure. Contaminated soil above a sole source aquifer.

Site Name Hampton Bays Landfill	Region 1	Site Code 3A	EPA ID# NYD980762587
HS Site Number HS1011	County Suffolk	Was the site ever on the Registry? D	Registry # 152054
Site Address 20 Jackson Ave Southampton 11968		Owner Town of Southampton	Operator Same

Site Description

Originally a natural swale where small amounts of sand and gravel were excavated. Local residents began dumping household refuse on site. Shortly, private carting services began to dump municipal wastes at the site. For unknown period of time, the site received cesspool wastes which were dumped into leach ponds. The site is currently a transfer station for municipal wastes by local residents and storage for the Town Highway Department. It is recommended that this site be referred to the DSW.

Hazardous Substances Disposed

Herbicides and pesticides are suspected to have been buried at the site.

Describe Potential Hazardous Threat

There is no concrete evidence of any hazardous materials having been deposited within the landfill. Potential of groundwater contamination. Phase 1 investigation was completed by DHWR and was unable to obtain any direct evidence that pesticides or other hazardous waste was ever disposed at the site.

Site Name Holtsville Landfill	Region 1	Site Code 3A	EPA ID# NYD980506786
HS Site Number HS1012	County Suffolk	Was the site ever on the Registry? D	Registry # 152010
Site Address Buckley and Blue Point Roads North Patchogue 11772		Owner Town of Brookhaven	Operator Same

Site Description

The site is an inactive municipal landfill. The site was an open burning solid waste dump from the 1930's to 1968. It was used as an unlined landfill from 1968 - 1974. Although there was no hazardous waste detected, the landfill leachate is discharging to a nearby stream. In turn, the stream discharges into Canaan Lake. Both of these water bodies have been impacted. The creek water has a dark rust color to it due to high concentrations of iron in the water. Around 1980, there was an abnormal growth of tumors on the catfish living in Canaan Lake. NYSDEC considered the landfill as a possible source of this problem. There were also incidents of dying fish in the 1980's that were possible due to the landfill. In 1979, drinking water problems may have been due to the landfill. Iron, ammonia, 1,1,1-TCA, TCE and PCE were detected in residential wells above NYS standards and guidelines. The landfill was considered as one possible source of this contamination. Upon closure methane gas began migrating into nearby homes. Recent monitoring by the state does not indicate methane migration.

Hazardous Substances Disposed

sodium, 7440-23-5; ammonia, 7664-41-7

Describe Potential Hazardous Threat

The landfill is impacting a nearby stream and lake. Groundwater in the area has also been contaminated, possibly by the landfill.

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Irving Levey Estate	Region	1	Site Code	1	EPA ID#	None
HS Site Number	HS1013	County	Suffolk	Was the site ever on the Registry?	N	Registry #	N
Site Address	140 Route 110 Farmingdale		11735	Owner	Levey Estate		
				Operator	Same		
Site Description Abandoned building - formerly auto parts/repair operation.							
Hazardous Substances Disposed Lead, 1,1,1 trichloroethane, tetrachloroethylene, fluorotrichloromethane, dichlorobenzene							
Describe Potential Hazardous Threat Lead and chlorinated VOC's have impacted on groundwater.							
Site Name	Kaiser Alum. & Chem. Sales Inc	Region	1	Site Code	1	EPA ID#	NYD040462863
HS Site Number	HS1014	County	Nassau	Was the site ever on the Registry?	N	Registry #	N
Site Address	U Woodbury		11797	Owner	Kaiser Alum. & Chem. Sales Inc		
				Operator	Same		
Site Description Davidson Extrusion Corp. ceased operations on March 15, 1984. All haz. wastes and equipment were taken off site. When facility was operating it produced aluminum extrusions. The haz. wastes generated by this process are spent caustic rinsewater, paint pigment, spent solvents, oil and grease, & heavy metals.							
Hazardous Substances Disposed extruding waste 999, waste from metal/machine, lubrication 999, spent solvents 999, sodium hydroxide 1310-73-2, metal etchings 999, aluminum 7429-90-5, chromium 7449-47-3, zinc 7440-66-6, nickel 7440-02-0, iron 999, manganese, lead, copper 7440-50-8							
Describe Potential Hazardous Threat Any spill or leak of chemicals from this facility had the potential to contaminate the underlying aquifer. Kaiser was observed, convicted, and fined for illegally discharging waste oil into the Nassau county recharge basin # 484.							
Site Name	LILCO, Patchogue Gas Plant	Region	1	Site Code	2A	EPA ID#	None
HS Site Number	HS1018	County	Suffolk	Was the site ever on the Registry?	U	Registry #	U
Site Address	W. Main Street & River Avenue Patchogue		11772	Owner	Long Island Building Supply		
				Operator	(formerly) LILCO		
Site Description The site was operated from 1902 to 1904 as a coal gasification plant and from 1904 to ~1925 as a carburetted water gas plant under the direction of the Patchogue Gas Company who was later bought-out by LILCO. Production was of very limited scale; no on-site disposal of wastes indicated by available records.							
Hazardous Substances Disposed Suspected coal tar wastes							
Describe Potential Hazardous Threat no on-site disposal of wastes is indicated in available records							
Site Name	Landfill at Uniondale Shop.Ctr	Region	1	Site Code	4	EPA ID#	None
HS Site Number	HS1020	County	Nassau	Was the site ever on the Registry?	N	Registry #	N
Site Address	Jerusalem Ave Uniondale		11553	Owner	Uniondale Realty Associates		
				Operator	Same		
Site Description Site is 10.7 acres of which approximately 5.5 acres is unlined landfilled area. Site operated from 1930 to 1962 as a concrete mixing facility and sand mining operation. Also operated as a bowling alley complex from 1962 to 1973. Site operated filling operations around 1960 to 1975. Site accepted C&D debris; alleged acceptance of gasoline, hospital waste, paint thinners, and misc. domestic wastes. The fill extends to a depth of 50 ft.							
Hazardous Substances Disposed Chlorobenzene, benzene, barium, xylene, chromium, chlorobenzene, lead, benzene, aroclor, and trace amounts of asbestos.							
Describe Potential Hazardous Threat Groundwater quality within the fill was characterized to be slightly tainted and exceeded class "GA" groundwater standards but there are no public supply wells downgradient of the site.							

SYL00115810

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	MacKenzie Barn	Region	1	Site Code	1B	EPA ID#	None
HS Site Number	HS1021	County	Suffolk	Was the site ever on the Registry?	N	Registry #	152504
Site Address	Middle Country Road Calverton		11933	Owner	Robert & Kathleen Novak	Operator	U
Site Description A farm property used as a storage/dump facility by Mackenzie Chemical. In 1979 the SCDHS found chemical spills on the ground, leaking drums, piles of yellow solids on the ground, some 2500-gallon tanks and chemical odors. Reportedly, MacKenzie Chemical used the site to store naptha contaminated with fluoranone.							
Hazardous Substances Disposed methyl ethyl ketone (78933), naptha contaminated with fluoranone.							
Describe Potential Hazardous Threat The site was used as a storage facility for chemical wastes from MacKenzie Chemical (#152017). Leaking drums and contaminated soil were observed at the site.							
Site Name	Mergenthaler Linotype Facility	Region	1	Site Code	1	EPA ID#	NYD056022833
HS Site Number	HS1023	County	Suffolk	Was the site ever on the Registry?	D	Registry #	130007
Site Address	Mergenthaler Dr Plainview		11803	Owner	Eltra Corporation	Operator	Karl Heidenreich
Site Description Manufacturer of photographic chemicals, and graphic arts supplies generates spent developers and fixers amounting to 11,040 gal/yr. This waste is stored on site in tanks for approximately one week before removal. A cesspool is located on site for disposal of wastes including sanitary. The cesspool is pumped out approximately two times each month.							
Hazardous Substances Disposed Various chemicals used in the manufacturing of photographic chemicals. Silver (nitrate), chromium, copper, zinc, cyanide, phenols and solvents.							
Describe Potential Hazardous Threat Dikes and beams were not available for containment of wastes. Cesspools were used for treatment and disposal of these wastes. The groundwater in the area may be contaminated and the public health is therefore at risk as well as the environment. It is unclear whether or not NCDH oversaw cleanup of leaching pool system. It has not been determined if there are groundwater impacts attributed to the site.							
Site Name	Mitchel Field	Region	1	Site Code	1B	EPA ID#	NYD991292004
HS Site Number	HS1025	County	Nassau	Was the site ever on the Registry?	N	Registry #	N
Site Address	Mitchel Field Area Hempstead		11055	Owner	Nassau County	Operator	Same
Site Description Site was an airfield during World War II. Air Craft maintenance occurred on the site as well as the storage of large quantities of bulk chemicals. Waste and various chemicals were disposed of on site. A sewage treatment plant was also sited in the area which discharged to groundwater. Wartime chemicals and ordinance were also potentially on the site during its use as an airfield. The federal government sold the area to Nassau County during the late 1960's and 70's. Nassau County has been developing the site since the late 1970's and throughout the 1980's. Repeated reports of illegal disposal of materials in recharge basins around the County Jail facility and the removal and covering up of contaminated soils connected with recent construction at the jail.							
Hazardous Substances Disposed various chemicals and wastes from the WW2 era, potential wartime chemicals and ordinance							
Describe Potential Hazardous Threat Groundwater quality seriously impaired which is affecting water supply wells which can be consumed by the public. It contributes to the overall deterioration of water quality in the County.							
Site Name	Old North Sea Landfill	Region	1	Site Code	3A	EPA ID#	NYD982531261
HS Site Number	HS1026	County	Suffolk	Was the site ever on the Registry?	D	Registry #	152051
Site Address	Majors Path North Sea		11946	Owner	Town of Southampton	Operator	U
Site Description The site is an inactive landfill suspected of containing hazardous wastes. During the time of active use the landfill was used for municipal waste. There are no records of waste management, violations, or tests performed on site. This site was referred to the Division of Solid Waste on 7/2/91.							
Hazardous Substances Disposed Suspected hazardous substances associated with municipal wastes							
Describe Potential Hazardous Threat The shallow depth to water and suspected high permeability of the unsaturated zone will allow any lechate that does occur to reach groundwater. The landfill is unlined.							

Active Hazardous Substances Waste Disposal Site Inventory

Site Name Patchogue Lace Mill	Region 1	Site Code 1B	EPA ID# None
HS Site Number HS1027	County Suffolk	Was the site ever on the Registry? N	Registry # N
Site Address 225 West Main Street		Owner George Lechtrecker/Suffolk Cty	
Patchogue	11772	Operator 225 West Main Corp.	

Site Description

The site was an old lace mill, textiles manufacturing site, war time clothing factory and perfume factory. Recently it has been used as a small automotive repair business. The site is larger than just the building itself. The entire site has been abandoned in recent years. The site has abandoned drums of industrial materials that may be waste or other toxic chemicals. The drums are leaking. The site also has a great deal of asbestos. There are large above-ground storage tanks on-site.

Hazardous Substances Disposed

Asbestos, metal drums (contents unknown), buried metals

Describe Potential Hazardous Threat

The site presents both an environmental and public health threat due to the toxics and asbestos on site. Fire threat increases the risk of exposure. The levels of organic and inorganic contamination at this site are minimal. The site would not qualify on this account. The asbestos on-site qualifies it as a hazardous substance site. There are allegations of buried drums. The site could be considered a suspected site based on these allegations.

Site Name Polycom Huntsman	Region 1	Site Code 1B	EPA ID# NYD047663505
HS Site Number HS1028	County Suffolk	Was the site ever on the Registry? D	Registry # 152127
Site Address 100 Adams Blvd		Owner Michael Adams Co.	
Farmingdale	11735	Operator U	

Site Description

The site was engaged in the production of color concentrated polymers. Both indoor and outdoor facilities were utilized for the storage of raw materials. Outdoor facilities included above and below ground storage facilities which were utilized exclusively for raw materials. All waste materials were stored indoors.

Hazardous Substances Disposed

Cadmium, chromium, lead, diethyl phthalate, phenols

Describe Potential Hazardous Threat

The primary source of on-site contamination appears to be heavy metals contained in the various pigments utilized in the facility. The levels of contamination evidenced are significant to warrant concern and remediation.

Site Name Pro Recycling	Region 1	Site Code 4	EPA ID# None
HS Site Number HS1029	County Suffolk	Was the site ever on the Registry? N	Registry # N
Site Address Sylvan Avenue		Owner Racanacelli	
Blue Point	11715	Operator Joseph Rizzo, President	

Site Description

Approximately 10,000 cubic yards of construction and demolition debris were disposed.

Hazardous Substances Disposed

Suspected hazardous substances associated with C&D debris

Describe Potential Hazardous Threat

Site Name Pro Recycling and Transfer Inc	Region 1	Site Code 4	EPA ID# None
HS Site Number HS1030	County Suffolk	Was the site ever on the Registry? N	Registry # N
Site Address 1200 Suffolk Avenue		Owner Joseph Rizzo, President	
Brentwood	11717	Operator Same	

Site Description

This is an approximately one acre site where construction and demolition debris has been disposed. The material still remains on site. Analytical results of samples of soil and groundwater supplied to the DEC by Respondent's who reveal the presence of pollutants, as defined under ECL 17-0105 and associated regulations, and hazardous substances, as defined under ECL Article 37 and associated regulations.

Hazardous Substances Disposed

Hazardous substances associated with C&D debris

Describe Potential Hazardous Threat

SYL00115812

Active Hazardous Substances Waste Disposal Site Inventory

Site Name Quioque Landfill	Region 1	Site Code 3A	EPA ID# NYD980762462
HS Site Number HS1031	County Suffolk	Was the site ever on the Registry? D	Registry # 152061
Site Address South Country Road		Owner Town of Southampton	
Quioque		Operator Southampton Highway Dept.	
11968			

Site Description

The site is an inactive landfill operated by the Town as a municipal landfill. During operation, cesspool wastes and household trash were deposited. The site has no liner. No records were kept of the quantities of disposed waste.

Hazardous Substances Disposed

Suspected hazardous substances associated with municipal wastes

Describe Potential Hazardous Threat

Jet fuel spills have occurred at a tank farm 500ft. north of the landfill. Extensive groundwater investigations directed at the immediate vicinity have documented jet fuel contamination, but have not established the hazardous materials are migrating from the landfill. The lagoon has high levels of SVA contamination. The lagoon needs to be scraped and the soils disposed of off-site. These soils are a source area for some of the groundwater contamination.

Site Name Ron Lyn Inc.	Region 1	Site Code 1B	EPA ID# NYD075786111
HS Site Number HS1032	County Suffolk	Was the site ever on the Registry? D	Registry # 152112
Site Address 1357 Straight Path		Owner Manuel J. Torres	
Babylon		Operator U	
11798			

Site Description

The property is presently used as a lumber storage area. The site was a metal plating facility from 1973 until 1986. The operation involved metal plating of lamps and novelties. Several chemicals including copper cyanide, muriatic acids, sodium cyanide, zinc cyanide, copper oxide, and copper selenide were used at the site. For many years, Ron-Lyn discharged industrial liquid wastes through a floor drain into a leach pool.

Hazardous Substances Disposed

cyanide, copper, zinc, iron, lead, aluminum, manganese

Describe Potential Hazardous Threat

Electroplating operation discharged liquid waste to a below-grade leachpool for several years. On numerous occasions, wastewater from the SPDES pool contained high levels of copper, iron and zinc. In addition, a liquid containing levels of copper, iron, zinc, and lead was contaminating a storm drain which connected to a recharge basin. Groundwater does not exceed GA standards except for iron and manganese.

Site Name Servo Corp. of America	Region 1	Site Code 1B	EPA ID# NYD002418911
HS Site Number HS1034	County Nassau	Was the site ever on the Registry? D	Registry # 130010
Site Address 111 New South Rd.		Owner Servo Corp. of America	
Hicksville		Operator John Willenbrock	
11802			

Site Description

It is a manufacturer of railroad signaling devices and other electronic assemblies. Rinsewaters from an "irridite" process are treated onsite; about 700 gallons of metal hydroxide sludges are removed from the two indoor treatment tanks every two years. Prior to sewer connection, the tanks effluents were sent to a groundwater recharge basin. Currently, only non-contact cooling water and "bleed-off" from the summertime air-conditioning system are discharged to the groundwater. Virgin chemicals are still stored on bare ground, approximately 100 feet from the bermed waste area.

Hazardous Substances Disposed

xylene (mixed) (1330-20-7), toluene (108-88-3), Freon TE, ketones, methylene chloride (75-09-2), MEK, trichloroethylene (79-01-6), tetrachloroethylene (127-18-4), 1,1,1-trichloroethane (71-55-6), 1,1,2-trichloro-1,2,2-trifluoroethane (76-13-1). Waste oils and arsenic/sulfur dusts have been stored onsite. Metal hydroxide sludges (chromium, copper, and aluminum) are also generated and stored onsite.

Describe Potential Hazardous Threat

Over thirty public drinking water wells are located within three miles of the site. Possible soil contamination with waste and/or virgin organic solvents. Heavy metals previously discharged to a groundwater recharge basin. Algicide-treated flow still being sent to GW recharge basin in summertime as of 1987. Various air emissions (arsenic, particulates, solvents, alcohols, etc...) Information is all taken from EPA PSA report dated January 5, 1987. Site facility activities may have changed significantly. Spills may have occurred on-site. A spill occurred and was cleaned up. Above SPDES limits on TDS, chromium and aluminum.

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Smithtown Landfill	Region	1	Site Code	3A	EPA ID#	NYD980762611
HS Site Number	HS1035	County	Suffolk	Was the site ever on the Registry?	D	Registry #	152043
Site Address	Old Indian Head Road Kings Park		11754	Owner	Neil and Alexander Izzo	Operator	No Current Operator
Site Description As a result of violations regarding odor control, final cover application, leachate ponding, methane gas, and groundwater monitoring, the NYSDEC initiated legal action against the Izzo brothers and the town of Smithtown. Adjacent properties have elevated levels of methane in their basements due to the state of the methane collection system. This site was referred to the Division of Solid Waste on 5/14/93.							
Hazardous Substances Disposed 1,1,1-trichloroethane, tetrachloroethane, methane, bis(2-ethylhexyl)phthalate, 1,2 dichlorobenzene, barium, lead, copper, manganese							
Describe Potential Hazardous Threat One groundwater sampling area exhibited unusual characteristics. The sample appeared tinted yellow, felt unusually warm, and was sour smelling. The concentrations of waste on site are not conclusive of site wide contamination. The areas exhibiting contamination may be attributable to the adjacent site.							
Site Name	Suffolk Airport C&D site	Region	1	Site Code	4	EPA ID#	NYD981186943
HS Site Number	HS1038	County	Suffolk	Was the site ever on the Registry?	D	Registry #	152078
Site Address	Old Riverhead Road Westhampton Beach		11978	Owner	Mr. Joseph LaTrenta	Operator	U
Site Description In 1984, NYSDEC inspected the C&D site and discovered discarded oil cans, spent oil filters, solvent cans, and several empty 55 gal drums. Demolition waste and municipal refuse was also found on site. After 1970, incidents of unauthorized disposal took place on site.							
Hazardous Substances Disposed unknown solvents, inorganic chemicals, and acids were possibly dumped on site. 2 butanone(MEK), carbon disulfide, 3 methylpentane, 2,4 dimethyl 3 pentanone, methylcyclopentane, hexane, 2 methyl 3 pentanone, methylene chloride, barium, cadmium, chromium, di-n-butylphthalate, butylbenzophthalate, pesticides, lead							
Describe Potential Hazardous Threat There are unconfirmed reports of large amounts of waste chemicals and munitions buried at the site. It is also alleged that a private citizen dug up drums of "Primotab" and "sodium sulfide". Neither of the sampling results confirm the presence of hazardous waste in the aquifer of concern. The potential remains for contamination of the groundwater and surface water, due to the absence of a liner.							
Site Name	Suffolk Materials Mining Corp.	Region	1	Site Code	4	EPA ID#	NYD003797248
HS Site Number	HS1039	County	Suffolk	Was the site ever on the Registry?	D	Registry #	152099
Site Address	Consewague Road East Setauket		11733	Owner	Laurence Schreiber	Operator	Suffolk Materials Mining Corp.
Site Description A small sand and gravel processing operation is currently operating at the facility. The plant was once used for mining purposes; however, mining is currently not permitted at the site. Portions of the property contain residual fly ash from coal and oil-fired power plants, including LILCO's Port Jefferson electric generation facility. Approximately five acres of the 28-acre site contain an inactive C&D debris landfill.							
Hazardous Substances Disposed copper, lead, PNA's, DDT, chlordane, aroclor 1242							
Describe Potential Hazardous Threat Inorganic contaminants have been detected; said contaminants are most likely attributable to the fly ash. The analytical data from the test pit samples indicated the presence of hazardous constituents.							
Site Name	Target Rock Corp.	Region	1	Site Code	1B	EPA ID#	NYD002034056
HS Site Number	HS1040	County	Suffolk	Was the site ever on the Registry?	D	Registry #	152119
Site Address	1966 E. Broad Hollow Rd Farmington		11735	Owner	Target Rock Corp.	Operator	Same
Site Description The site is a wholly owned subsidiary of Curtiss-Wright Corp., which manufactures valves used primarily for nuclear power applications. The site is currently an active machine shop consisting of two manufacturing buildings lying on relatively flat land that was formerly a gravel bank. They have manufactured valves at the site since 1982. Wastewater from a valve testing operation was discharged to a dry well toward the rear of the east manufacturing building. The Suffolk County DOHS discovered the well discharges and a number of leaking and improperly stored drums.							
Hazardous Substances Disposed 1,1,1, trichloroethane, 1,1- dichlorethylene							
Describe Potential Hazardous Threat The investigation confirmed that wastewater containing solvent had been discharged at the site, and groundwater contamination is present. The Division of Water is preparing an enforcement case for this site.							

SYL00115814

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Tojaelco Inc.	Region	1	Site Code	4	EPA ID#	None
HS Site Number	HS1041	County	Suffolk	Was the site ever on the Registry?	N	Registry #	N
Site Address	516 Pine Aire Drive Bayshore		11706	Owner	Cheyenne Autumn Associates		
				Operator	Steve Rubin		
Site Description							
This is an illegal disposal site for both processed and unprocessed construction and demolition debris. Approximately three acres of the site have been sand mined and backfilled with C&D debris.							
Hazardous Substances Disposed							
Suspected hazardous substances associated with C&D debris							
Describe Potential Hazardous Threat							
Site Name	Triad (#6)	Region	1	Site Code	1B	EPA ID#	None
HS Site Number	HS1042	County	Nassau	Was the site ever on the Registry?	N	Registry #	N
Site Address	1983-2001 Marcus Ave Lake Success, NY		11042	Owner	Irving Feldman		
				Operator	U		
Site Description							
Site is large, excavated lot which was dug as basement and foundation for large commercial building project. Mined sand from site was probably sold as part of the excavation operation. Project was abandoned so the pit remains. About 45,000 cubic yards of processed C&D material have been present on site since August 1990. Extreme odor is associated with the site. Standing water is in the bottom of the pit which is approximately 15-25 feet below grade. Waste material and abandoned objects litter the site.							
Hazardous Substances Disposed							
Hazardous substances associated with C&D material suspected							
Describe Potential Hazardous Threat							
Threat posed by site includes extremely unpleasant odor which could include disease potential if sanitary waste is involved; toxics may occur in the standing water or in the sediments; and pit provides quick access to groundwater immediately beneath the site. Perched groundwater may be exposed by the excavation. Dumping appears to have occurred at the site.							
Site Name	1247 38th Street, Brooklyn	Region	2	Site Code	1B	EPA ID#	None
HS Site Number	HS2001	County	Kings	Was the site ever on the Registry?	N	Registry #	N
Site Address	1247 38th Street Brooklyn		11218	Owner	County Dollar Corp.(1988)		
				Operator	U		
Site Description							
The site consists of a group of one story buildings, a part two story and cellar building, yards and six unused concrete (coal) storage silos. This site occupies about 33,000 sq. feet and was previously owned and occupied by the Harstan Division of Chemtech Industries. Harstan used the premises for the storage of chemicals used by the electroplating and other industries. Harstan has terminated operations at this facility and ownership has changed hands.							
Hazardous Substances Disposed							
lead, cadmium, cyanide							
Describe Potential Hazardous Threat							
Subsurface soils (5 feet and 9 feet depth) at an unpaved section of the northwest corner of the site property are contaminated with cadmium and lead. This gravel covered area was apparently used as a drywell to receive rain water from the yard. The extent of groundwater contamination, if any, has not been determined. Groundwater in the area is not used as a source of drinking. Air samples taken inside of the on-site buildings indicate trace quantities of metals and organics. Residue taken from the floors of the various building sections failed EPTox analysis due to the presence of lead, cadmium, and/or cyanide. Subsurface soil samples contained some organics and metals.							
Site Name	Algen Press	Region	2	Site Code	1	EPA ID#	NYD001362375
HS Site Number	HS2003	County	Queens	Was the site ever on the Registry?	N	Registry #	N
Site Address	18-06 130th Street College Point		11356	Owner	Lewis Falce		
				Operator	Lewis Falce		
Site Description							
Active color lithography printing operation. Drums labeled "flammable liquid" and "proxycote lacquer" were observed on site.							
Hazardous Substances Disposed							
solvents, organic chemicals, acids, bases							
Describe Potential Hazardous Threat							
Possibility of fire and/or explosion from the flammable wastes stored on site. Soil contamination may have occurred due to alleged dumping. Residential housing is in close proximity, direct contact could be a problem.							

SYL00115815

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	BUG, Belmont Works	Region	2	Site Code	2A	EPA ID#	NYD980532097
HS Site Number	HS2005	County	Kings	Was the site ever on the Registry?	N	Registry #	U
Site Address	Belmont & Alabama Avenue			Owner	(formerly) Brooklyn Union Gas		
	Brooklyn		11207	Operator	U		

Site Description

Location of a gas holder, but no manufacturing plant. Possible spills of hydrocarbon tars occurred prior to 1900. During years of operation, tars were temporarily stored in on-site holding tanks until they were sold for use in roofing or road surfacing. According to BUG all remaining tars were removed and the facility was razed. Ownership of the property since 1900 is unknown.

Hazardous Substances Disposed

benzene, pyridine, cresols, toluene, naphthalene, hydrogen sulfide, phenol

Describe Potential Hazardous Threat

Soil is possibly contaminated with trace amounts of hydrocarbon tar. (Impact reduced by time and excavation of soils.) Leachate into groundwater is not a major concern because area groundwater is not used as a potable water supply.

Site Name	BUG, Equity Works	Region	2	Site Code	2A	EPA ID#	NYD980532048
HS Site Number	HS2009	County	Kings	Was the site ever on the Registry?	N	Registry #	U
Site Address	Maspeth and Morgan Avenues			Owner	(formerly) Brooklyn Union Gas		
	Brooklyn		11222	Operator	U		

Site Description

This was formerly the site of a coal-gasification plant; one of the by-products produced during the plant's operating years was a hydrocarbon tar which was temporarily stored on site. When the plant was decommissioned in 1928 all remaining tars were reportedly removed and the facility razed.

Hazardous Substances Disposed

Suspected PCB's

Describe Potential Hazardous Threat

Soil possibly contaminated with trace amounts of hydrocarbon tar. (Impact probably lessened with time and excavation of soils.) Leachate into groundwater is not a major concern because area groundwater is not used as a potable water supply.

Site Name	BUG, Flatbush Works	Region	2	Site Code	2A	EPA ID#	NYD980531966
HS Site Number	HS2010	County	Kings	Was the site ever on the Registry?	N	Registry #	U
Site Address	East of Clarkson & Nostrand Av			Owner	(formerly) Brooklyn Union Gas		
	Brooklyn		11225	Operator	U		

Site Description

This was formerly the site of a coal-gasification plant, purchased by Brooklyn Union Gas at the turn of the century. One of the by-products produced was a hydrocarbon tar which was temporarily stored on-site. Ownership and use of the property since 1936 is unknown.

Hazardous Substances Disposed

Suspected coal tar wastes

Describe Potential Hazardous Threat

The soil was possibly contaminated with trace amounts of hydrocarbon tar; impact probably reduced by time and excavation of soils.

Site Name	BUG, Fulton Municipal Works	Region	2	Site Code	2A	EPA ID#	NYD980531982
HS Site Number	HS2011	County	Kings	Was the site ever on the Registry?	N	Registry #	U
Site Address	William, DeGraw, and Sacket St			Owner	Brooklyn Union Gas Co.		
	Brooklyn		11201	Operator	U		

Site Description

This is the site of a coal-gasification plant; one of the by-products produced was a hydrocarbon tar which was temporarily stored on-site. When the plant was decommissioned in 1943 all remaining tars were reportedly removed from the facility.

Hazardous Substances Disposed

Suspected PCB's

Describe Potential Hazardous Threat

Soil possibly contaminated with trace amounts of hydrocarbon tar. (Impact probably reduced by time and excavation of soils.) Leachate onto groundwater is not a major concern because area groundwater is not used as a potable source.

SYL00115816

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	BUG, Greenpoint Energy Facilit	Region	2	Site Code	2A	EPA ID#	NYD980532014
HS Site Number	HS2012	County	Kings	Was the site ever on the Registry?	N	Registry #	U
Site Address	287 Maspeth Avenue Brooklyn		11222	Owner	Brooklyn Union Gas Co.		
				Operator	U		
Site Description							
This site is Brooklyn Union's main storage, distribution, and production facility. The facility includes a plant that converts naptha to natural gas, a heated tank where liquid natural gas is vaporized, two natural gas storage tanks, and two gate stations.							
Hazardous Substances Disposed							
PCB's, lead, chromium, potassium nitrate, mercury, vanadium pentaoxide							
Describe Potential Hazardous Threat							
Possible soil/groundwater contamination via leaking tanks or pipelines, or spills during condensate removal. (Minimal concern since area groundwater is not used as a potable water supply.) Little potential for air release as wastes are stored in closed tanks and drums.							
Site Name	BUG, Kings County Works	Region	2	Site Code	2A	EPA ID#	NYD980532055
HS Site Number	HS2013	County	Kings	Was the site ever on the Registry?	N	Registry #	U
Site Address	54th Street and First Avenue Brooklyn		11220	Owner	Brooklyn Union Gas		
				Operator	U		
Site Description							
Spills of hydrocarbon tars, as it was temporarily stored on site, are possible. The plant was decommissioned in 1952, all remaining tars were reportedly removed and the facility was razed. Ownership and use of the property since 1952 is unknown.							
Hazardous Substances Disposed							
Suspected PCB's							
Describe Potential Hazardous Threat							
Soil is possibly contaminated with trace amounts of hydrocarbon tar. (Impact probably reduced by time and excavation of soils.) Leachate into groundwater is not a major concern because area groundwater is not used as a potable water supply.							
Site Name	BUG, Metropolitan Works	Region	2	Site Code	2A	EPA ID#	NYD980532006
HS Site Number	HS2014	County	Kings	Was the site ever on the Registry?	N	Registry #	N
Site Address	2nd Ave & 12th Streets Brooklyn		11215	Owner	Bruno's Truck Sales		
				Operator	U		
Site Description							
The site was formerly a coal gasification plant, purchased by BUG Co. at the turn of the century. During operating years a hydrocarbon tar was temporarily stored on site until sold for use in roofing or road surfacing. When the plant was decommissioned in 1948, all of the remaining tars were reportedly removed and the facility was razed. The property is now owned by Bruno's Truck Sales (dirt lot), and partly occupied by a Path-Mark store (paved lot).							
Hazardous Substances Disposed							
Suspected hydrocarbon tars (benzene, pyridine, cresols, toluene, naphthalene, hydrogen sulfide, phenol)							
Describe Potential Hazardous Threat							
NYSDEC inspected the site in Aug. 1986 and found "no visible signs of contamination." The possibility of leachate entering the adjacent Gowanus Canal was cited as a concern although that portion of the site closest to the canal is paved over. 38 years have passed since any tar spills may have occurred. Groundwater in the area is not a potable supply.							
Site Name	BUG, Peoples Works	Region	2	Site Code	2A	EPA ID#	NYD980532105
HS Site Number	HS2016	County	Kings	Was the site ever on the Registry?	N	Registry #	N
Site Address	Kent Ave. Brooklyn		11211	Owner	Formerly BUG Company		
				Operator	U		
Site Description							
A former coal-gasification plant was purchased by BUG Co. During the operations as a CG plant, a hydrocarbon tar was produced and stored on site until sold for use in roofing or road surfacing. The plant was decommissioned in 1895, all remaining tars were reportedly removed and the facility was razed. Ownership and use of the property since 1895 is unknown.							
Hazardous Substances Disposed							
Suspected hydrocarbon tars (benzene, pyridene, cresols, toluene, naphthalene, hydrogen sulfide, phenol)							
Describe Potential Hazardous Threat							
The soil is possibly contaminated with trace amounts of hydrocarbon tar. (impact probably reduced due to time and excavation of soils) Leachate into groundwater is not a major concern because area groundwater is not a potable supply.							

SYL00115817

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	BUG, Williamsburg Works	Region	2	Site Code	2A	EPA ID#	NYD980532030
HS Site Number	HS2017	County	Kings	Was the site ever on the Registry?	N	Registry #	U
Site Address	Kent Avenue, North 12th Street Brooklyn 11211			Owner	(formerly) Brooklyn Union Gas		
				Operator	U		

Site Description

This was formerly the site of a coal-gasification plant, purchased by Brooklyn Union at the turn of the century. One of the by-products produced was a hydrocarbon tar which was temporarily stored on-site. Ownership and use of the property since 1936 is unknown.

Hazardous Substances Disposed

Suspected coal/tar

Describe Potential Hazardous Threat

The soil was possibly contaminated with trace amounts of hydrocarbon tar; impact was probably reduced by time and excavation of soils.

Site Name	Berry Street Housing Project	Region	2	Site Code	1B	EPA ID#	None
HS Site Number	HS2018	County	Kings	Was the site ever on the Registry?	N	Registry #	N
Site Address	South 10th Street Brooklyn 11211			Owner	City of New York		
				Operator	New York City Housing Authorit		

Site Description

In 1989, this site was a vacant lot awaiting construction of low income housing by the New York City Housing Authority(NYCHA). The lot was previously occupied by various apartment houses and light industry such as assembly and fabrication, scrap metal storage, and auto maintenance. According to Brooklyn Buildings Department records, a cleaning fluid mixing and storage facility(Lightning Cleaner Company) utilized a 2500 gallon underground storage tank to store Solvasol #5, a xylene based solvent. The NYCHA attempted to excavate the tank in 1989, but could not locate it. However, during excavation, soil contaminated with xylene and ethylbenzene was found, indicating that Solvasol #5 was either dumped or spilled on the ground in this location.

Hazardous Substances Disposed

xylene (CAS #1330-20-7)

ethylbenzene (CAS #100-41-4)

Describe Potential Hazardous Threat

Leakage of a cleaning solvent from an underground storage tank has caused the surrounding soil to become contaminated with xylene and ethylbenzene (the primary ingredients in Solvasol #5). The extent of contamination in the soil is unknown. It is also unknown whether the contaminants have leached to the groundwater, which is located within a sole source aquifer.

Site Name	Chelsea Terminal	Region	2	Site Code	1	EPA ID#	NYD980528384
HS Site Number	HS2020	County	Richmond	Was the site ever on the Registry?	N	Registry #	N
Site Address	2217 Richmond Terrace Staten Island 10314			Owner	Sam and Frank Mezzacappa		
				Operator	Same		

Site Description

Previously owned by Positive Chemical Co., and inactive due to criminal action pending against previous operators of facility. Currently stores lumber and metal pipe for construction co.

Hazardous Substances Disposed

isopropanol-anhydrous, strontium-acetate, epichlorohydrin, aluminum sulfate, strontium-hydroxide(anhydrous), xylenes, toluene, ethyl benzene, carbon tetrachloride, chloroform, mercury, lead, cadmium, acetone

Describe Potential Hazardous Threat

Documented release of contaminants from the site to surface waters of Neck Creek and documented contamination of the wetland area between the former active portion of the site and Neck Creek.

Site Name	ConEd, Flushing River Coking	Region	2	Site Code	2A	EPA ID#	NYD980532345
HS Site Number	HS2022	County	Queens	Was the site ever on the Registry?	N	Registry #	U
Site Address	32nd Avenue New York 11361			Owner	Con Edison		
				Operator	U		

Site Description

The site is a two-block parcel of land. Surrounding the site is a mixed commercial and residential area. The site was once occupied by a coking station. At present, the area is used for parking Con Edison trucks.

Hazardous Substances Disposed

ammonia still lime sludge, decanter tank tar sludge, benzene, toluene, xylenes, phenol, cresols, xyleneols, pyridine, methylnapthalenes, dimethylnapthalenes, acenephtene, carbazole, fluorathene

Describe Potential Hazardous Threat

If said hazardous materials were disposed of on-site and the site is developed, those materials may be released to the environment. There would be potential for direct contact. Further action is recommended if and only if the property is developed.

SYL00115818

Active Hazardous Substances Waste Disposal Site Inventory

Site Name ConEd, Hunts Point Coking Sta.	Region 2	Site Code 2A	EPA ID# NYD980532352
HS Site Number HS2023	County Bronx	Was the site ever on the Registry? N	Registry # U
Site Address Hunts Point Ave. & East River		Owner U	
Bronx	10474	Operator U	

Site Description

The site is abandoned and inactive. Although the area directly around the station is deserted, there are over one million people within a three mile radius of the site. At one time this plant was believed to either process coal or store the residue of the process.

Hazardous Substances Disposed

residue of coal processing

Describe Potential Hazardous Threat

Residual coal and petroleum products may still be on this property. If there are residuals, the environment and population may be exposed through direct contact or contaminant leachate.

Site Name ConEd, Manhattan Coking	Region 2	Site Code 2A	EPA ID# NYD980532337
HS Site Number HS2024	County Manhattan	Was the site ever on the Registry? U	Registry # U
Site Address 110 Street		Owner ConEd	
Manhattan	10025	Operator	

Site Description

Possibly a former coal gasification plant.

Hazardous Substances Disposed

Possible coal tar wastes. Awaiting analytical data from EPA.

Describe Potential Hazardous Threat

Possible coal tar contamination.

Site Name Fairfield Estates	Region 2	Site Code 5	EPA ID# None
HS Site Number HS2025	County Queens	Was the site ever on the Registry? N	Registry # N
Site Address Ruby & Amber Streets		Owner Various	
Howard Beach	11414	Operator NYSDOS	

Site Description

This area was used for the disposal of incinerator ash from 1954 until 1973. There is approximately 10-15 feet of ash fill over 154 acres of what was formerly marsh land. The area proposed for development in 1986 was 1.89 acres. The area was developed for two-family houses.

Hazardous Substances Disposed

incinerator ash

Describe Potential Hazardous Threat

There is a potential for dermal contact and incidental ingestion of soils contaminated with high levels of lead.

Site Name Former BUG, Bay Ridge/51st Str	Region 2	Site Code 2A	EPA ID# NYD980532089
HS Site Number HS2026	County Kings	Was the site ever on the Registry? N	Registry # N
Site Address 51st Street and 2nd Avenue		Owner Formerly BUG Company	
Brooklyn	11220	Operator U	

Site Description

Spills of hydrocarbon tars possibly occurred prior to 1957. During years of operation, tars were temporarily stored in on-site holding tanks until used in roofing or road surfacing. BUG claims all tar was removed when decommissioned in 1957. BUG says they no longer own the property and that there is currently a Con-ed transformer and Bush terminal on the site.

Hazardous Substances Disposed

Suspected hydrocarbon tars - (benzene, pyridine, cresols, toluene, naphthalene, hydrogen sulfide, phenol)

Describe Potential Hazardous Threat

Soil is possibly contaminated with trace amounts of hydrocarbon tar. (impact probably reduced by time and excavation of soils) Leachate into groundwater is not a major concern because area groundwater is not used as a potable water supply.

Site Name Grand Central Parkway	Region 2	Site Code 4	EPA ID# NYD980778427
HS Site Number HS2029	County Queens	Was the site ever on the Registry? N	Registry # N
Site Address 81-15 164th Street		Owner United Cerebral Palsy, Queens	
Bellrose	11426	Operator U	

Site Description

Construction site next door to an apartment complex received fill from an outside source and now houses a United Cerebral Palsy Facility. Leachate from dump area is migrating onto the property of adjacent apartment complex. The leachate exists as an oily, black, viscous liquid or a purple/orange, watery liquid which stains concrete and asphalt pavement.

SYL00115819

Active Hazardous Substances Waste Disposal Site Inventory

Hazardous Substances Disposed

sludge, oily waste

Describe Potential Hazardous Threat

Risk exists for direct contact by local residents living next door to site, through air, surface water, and soil contamination. Residents have complained about foul odor emanating from the site.

Site Name	Halleck Street	Region	2	Site Code	2A	EPA ID#	None
HS Site Number	HS2030	County	Bronx	Was the site ever on the Registry?	N	Registry #	N.
Site Address	Halleck Street			Owner	U		
	NYC			Operator	Same		

Site Description

As part of the construction requirements for the Proposed Floating Detention Facility on Halleck Street by the NYC Department of Corrections, a hazardous materials site investigation was conducted. The investigation determined that the site was formerly occupied by a municipal coal gasification plant, and that wastes from the plant have contaminated a portion of the soils at the site.

Hazardous Substances Disposed

Benzene 71-43-2
Toluene 108-88-3
Ethylbenzene 100-41-4
Xylenes
PAH's
Cyanide 57-12-5

Describe Potential Hazardous Threat

Exposure through dermal contact and inhalation of contaminants in soils to on-site workers, and future "residents" of detentional facility.

Site Name	Hamilton Ave Piers	Region	2	Site Code	1B	EPA ID#	NYD980768733
HS Site Number	HS2031	County	Kings	Was the site ever on the Registry?	Y	Registry #	224007
Site Address	19th & 18th Streets			Owner	Strober Realty		
	Brooklyn		11232	Operator	Same		

Site Description

The site was formerly used as a shipping port, dating back to the 1800's. The area along the Gowanus Canal received fill material from 1967 to 1979. The District Attorney's office has information on the unauthorized dumping of liquid chemical waste.

Hazardous Substances Disposed

Chlorobenzene 180 ppb, Heavy Metals 2000 ppb, Phenol 1200 ppb, Naphthalene 31000 ppb, Pyrene 18000 ppb.

Describe Potential Hazardous Threat

Analyses of groundwater and soil samples collected on-site show the presence of chlorobenzene and various heavy metals.

Site Name	Harlem River Yard	Region	2	Site Code	1A	EPA ID#	None
HS Site Number	HS2032	County	Bronx	Was the site ever on the Registry?	Y	Registry #	203004
Site Address				Owner	NYSDOT		
	Bronx			Operator	U		

Site Description

This rail yard is a proposed location of a intermodal transportation facility.

Hazardous Substances Disposed

lead (#7439-92-1)

Describe Potential Hazardous Threat

Diesel fuel spill on the ground. Groundwater is not used for drinking in the area.

Site Name	Idlewild Construction Waste LF	Region	2	Site Code	4	EPA ID#	None
HS Site Number	HS2033	County	Queens	Was the site ever on the Registry?	Y	Registry #	241008
Site Address	Rockaway Boulevard			Owner	Econ. Dev. Corp, Anita Romero		
	New York City		U	Operator	Same as owner		

Site Description

The site is located across the street from John F. Kennedy International Airport. The site was operated by the NYC Department of Sanitation as a construction waste landfill from 1970 to 1976. The site was allegedly used as an illegal dumping ground for hazardous wastes from September 1970 to October 1972. Soil and groundwater sampling were done in December 1992 as part of Phase II investigation in conjunction with the NYC Department of Environmental Protection. Analysis of soil and groundwater samples revealed extremely high levels of lead in the southeast corner of the landfill.

SYL00115820

Active Hazardous Substances Waste Disposal Site Inventory

Hazardous Substances Disposed

lead (7439-92-1)

Describe Potential Hazardous Threat

This site poses a threat to the groundwater and surface soils.

Site Name Oak Point/Brite Star	Region 2	Site Code 4	EPA ID# None
HS Site Number HS2036	County Bronx	Was the site ever on the Registry? U	Registry # U
Site Address 400 Oak Point Ave		Owner Brite Star Industries	
Bronx	10474	Operator U	

Site Description

A C&D facility where 250,000 cubic yards of illegal solid waste has been abandoned. An enforcement hearing in this matter has recently concluded with respondents being ordered to perform site investigatory work and closure activities. It is not known at this time if respondents will comply with the order.

Hazardous Substances Disposed

Suspected hazardous substances associated with C&D and municipal waste.

Describe Potential Hazardous Threat

C&D disposal site, not a hazardous waste disposal site.

Site Name Peerless Instrument Co., Inc.	Region 2	Site Code 1	EPA ID# NYD001556885
HS Site Number HS2037	County Queens	Was the site ever on the Registry? N	Registry # N
Site Address 90-15 Corona Ave.		Owner AMF Machine Corp.	
Elmhurst	11373	Operator Peerless Instrument Co., Inc.	

Site Description

Previously built precision instruments for aircraft and submarines.

Hazardous Substances Disposed

Lead, chromium, fluoride, phenols, oil & grease, cyanide, copper, cadmium, arsenic, barium, hexavalent chromium, mercury, selenium, silver

Describe Potential Hazardous Threat

Low concentrations of phenol, lead, cadmium, and hexavalent chromium were detected in soil underlying concrete floor. Risk of Direct contact by employees and potential migration to groundwater.

Site Name Rikers Island	Region 2	Site Code 3B	EPA ID# NYD980289375
HS Site Number HS2038	County Bronx	Was the site ever on the Registry? N	Registry # N
Site Address 16-16 Hazen Street		Owner City of NY	
Rikers Island	11370	Operator Dept. of Correction	

Site Description

Fill material from refuse and possible dredged material was disposed here during the early 1900's. The site presently houses 5 NYS prison facilities with a total inmate and employee population of about 13000. Sanitary landfilling takes place.

Hazardous Substances Disposed

Sludge(1000gal.), pesticides(500lbs.), and other organic chemicals(500 gal.) are known to be on site.

Describe Potential Hazardous Threat

Improper burial of wastes may result in exposure to environment and public.

Site Name Rossville Jail Site	Region 2	Site Code 1B	EPA ID# NYD986899938
HS Site Number HS2039	County Richmond	Was the site ever on the Registry? N	Registry # N
Site Address 60 Hudson Street		Owner NYC Dept. of Corrections	
Staten Island	10309	Operator Same	

Site Description

A coal pile existed on the northwestern portion of the site and was removed in 1966, revealing underlying stained soils(8 acres). Alleged industrial activities have taken place on site since 1884. Drums were on site and contained liquid sludge.

Hazardous Substances Disposed

arsenic, lead, beryllium, thallium, phenols, acetone, pentachlorophenol, polychlorinated biphenols, coal

Describe Potential Hazardous Threat

Possibility for direct contact by workers on site.

SYL00115821

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Route 9A - Manhattan	Region	2	Site Code	5-Other	EPA ID#	None
HS Site Number	HS2040	County	New York	Was the site ever on the Registry?	N	Registry #	N
Site Address	West Side Highway			Owner	NYS DOT		
	New York City		10002	Operator	Same		
Site Description							
NYS Rte. 9A (AKA the West Side Highway in Manhattan) from Battery Place to 59th Street. Most of the corridor has been a roadway for more than 50 years; however hazardous materials from nearby industrial uses may have made their way into the corridor. Areas of concern included noxious odors; discolored soil, water or foundations; leaking pipes, transformers, tanks, or barrels; dead vegetation; apparent industries; and likely locations of underground gasoline tanks. Currently, NYS Dept. of Transportation is performing reconstruction of Route 9A. During the reconstruction, the soil exhibiting hazardous characteristics is intended to be removed by NYSDOT from the site, replaced with clean fill and disposed of in the hazardous waste disposal facility. Contaminated non-hazardous soil will remain in place (except for the park area) based on NYSDOT's demonstration that waste will not cause contravention of water quality standards in Hudson River and all necessary measures will be provided to prevent human exposure at the locations where contamination is in the surface (0-2 ft.) soil.							
Hazardous Substances Disposed							
metals							
Describe Potential Hazardous Threat							
No impact from the groundwater is expected.							
Site Name	Spring Creek/Gateway Estates	Region	2	Site Code	3A	EPA ID#	None
HS Site Number	HS2041	County	Kings	Was the site ever on the Registry?	N	Registry #	N
Site Address	Fountain Ave			Owner	NYC Dept. of Housing Pres & De		
	Brooklyn		11208	Operator	Gateway Estates		
Site Description							
It is located in a densely populated mixed residential/commercial area of Brooklyn. South of the site are the class 2 inactive Fountain and Pennsylvania Ave Landfills. Property has been subject to unauthorized dumping of C&D debris, tires, metal and general municipal waste.							
Hazardous Substances Disposed							
Lead contamination in groundwater. Concentrations exceeding groundwater quality standards.							
Describe Potential Hazardous Threat							
Potential lead contaminated groundwater exists, but consequential amounts of the hazardous wastes still need to be assessed through further testing using EPTox or TCLP methods.							
Site Name	Sun Chemical Corporation	Region	2	Site Code	1A	EPA ID#	None
HS Site Number	HS2042	County	Richmond	Was the site ever on the Registry?	N	Registry #	N
Site Address	441 Tompkins Ave			Owner	Unknown		
	Rosebank, S.I.		10305	Operator	Sun Chemical Corp.		
Site Description							
This site is located on the eastern side of Staten Island just north of the Verrazano-Narrows Bridge. On February 17, 1988, a 2" pipe from a 10,000 gallon feeder tank containing 23% caustic solution ruptured and released an unknown quantity of caustic soda solution onto the Sun Chemical property and a school yard adjacent to the property. The New York City Department of Environmental Protection responded to the spill, and supervised the emergency cleanup and remediation of the site. One of their recommendations for the property was to sample the subsurface soil after the remediation was complete to determine if their efforts were successful. This sampling event showed no remnants of the sodium hydroxide solution, but did reveal other contaminants not associated with the spill. These include lead, PCB's, and bis(2-ethylhexyl)phthalate.							
Hazardous Substances Disposed							
Lead, PCB's, bis(2-ethylhexyl)phthalate							
Describe Potential Hazardous Threat							
Past site operations have contaminated onsite soils with lead, PCB's, and bis(2-ethylhexyl)phthalate. The extent of this contamination is unknown. It is also unknown whether the contamination has leached to the groundwater and impacted the aquifer. The contamination is located next to an elementary school playground.							
Site Name	Varick Avenue	Region	2	Site Code	4	EPA ID#	None
HS Site Number	HS2043	County	Kings	Was the site ever on the Registry?	D	Registry #	224017
Site Address	165 Varick Avenue			Owner	Rhino Trust		
	Brooklyn, NY		11237	Operator			
Site Description							
This property is located in Brooklyn (Block #2962 - Lots 1,5,37) and is owned by the Rhino Trust (Albert Realty Company). Construction and Demolition Debris has been dumped there for the past 70 years. A PSA was conducted in 1992, and IRM Fieldwork was conducted in 1994.							
Hazardous Substances Disposed							
Lead							
Describe Potential Hazardous Threat							
In early 1994, two soil 'hot spots' EPTox and TCLP failures were excavated and removed. In regard to exceedences of GW quality standards for							

SYL00115822

Active Hazardous Substances Waste Disposal Site Inventory

lead, a substantial portion of the site received non-exempt construction and demolition debris. It appears likely that the source of the GW contravention is from the non-hazardous solid waste. The site was reclassified to D2 in November 1994.

Site Name Amthor's Welding Service	Region 3	Site Code 5	EPA ID# None
HS Site Number HS3002	County Orange	Was the site ever on the Registry? U	Registry # U
Site Address		Owner U	
Walden	12586	Operator U	

Site Description

Unknown

Hazardous Substances Disposed

metals and small amounts of volatiles.

Describe Potential Hazardous Threat

The concentrations of chromium, lead, nickel, titanium, and zinc in the surficial soil were at least ten times background levels. EPTox tests indicated that no leachable chromium, cadmium, and lead were present.

Site Name Arsenic Mines Site	Region 3	Site Code 5-Mine	EPA ID# NYD982531469
HS Site Number HS3003	County Putnam	Was the site ever on the Registry? N	Registry # N
Site Address Gypsy Trail Road		Owner Robert & Patrice Morini	
Kent	10512	Operator N/A	

Site Description

0.5 to 1 acre site is covered with mine tailings. The mine is no longer active. Several private drinking water supply wells and one public water supply well are contaminated with arsenic in concentrations exceeding public drinking water standards.

Hazardous Substances Disposed

Arsenic

Describe Potential Hazardous Threat

Arsenic has contaminated private and public drinking water supply wells. Three individuals consumed private well water contaminated with arsenic in concentrations exceeding 10 ppm. All three people exhibited symptoms of acute arsenic poisoning and required chelation therapy.

Site Name Bayview Avenue Landfill	Region 3	Site Code 4	EPA ID# None
HS Site Number HS3004	County Orange	Was the site ever on the Registry? N	Registry # N
Site Address Route 218		Owner U	
Cornwall-on-Hudson	12520	Operator U	

Site Description

The site had been used for a C&D landfill. The original pit was used many years ago for sand/gravel, and the owner indicated he wanted to fill it in and construct houses. The landfilled area was on the south side and it appeared that some new soils were excavated from the pit, most likely for cover on the landfill. The landfill was covered and graded. The houses on Rt. 218 were reported to be on public water.

Hazardous Substances Disposed

C&D debris, methylene chloride, TCE, pyrene, aluminum, arsenic, copper, iron, lead, magnesium, manganese, potassium, zinc

Describe Potential Hazardous Threat

The soil is contaminated with heavy metals. There is no analyzed data available on groundwater conditions.

Site Name Bedford Ponds	Region 3	Site Code 5	EPA ID# None
HS Site Number HS3006	County Westchester	Was the site ever on the Registry? N	Registry # N
Site Address		Owner U	
Bedford Hills	10507	Operator Same	

Site Description

The property has been proposed for residential development. The site contains surficial refuse, abandoned vehicles, and abandoned garages which are remnants of the property's previous uses, which have included gravel pit excavation and a tree maintenance operation.

Hazardous Substances Disposed

Beryllium, Selenium, Cadmium, Zinc, Ethylbenzene, TCA, TCE, Vinyl Chloride

Describe Potential Hazardous Threat

Groundwater sampling on and adjacent to the property in 1987 detected organic and inorganic constituents.

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	C&D, Greymore Landfill	Region	3	Site Code	4	EPA ID#	None
HS Site Number	HS3007	County	Putnam	Was the site ever on the Registry?	N	Registry #	N
Site Address	Route 9 Phillipstown		10566	Owner	Graymoor Monastery	Operator	Jam Land Construction

Site Description

Greymore Monastery hired a construction firm to fill a depression. The construction firm, Jam Land Development, used C&D waste to fill the area. Concerns were raised when black, malodorous leachate began emanating from fill area.

Hazardous Substances Disposed

VOC's : vinyl chloride; 1,1 dichloroethane; trans-1,2 dichloroethene; 1,1,1-trichloroethane; 1,1,2,2-tetrachloroethane; toluene; ethylbenzene; xylenes; methylethylketone; methylisobutylketone; acetone.

Describe Potential Hazardous Threat

Env. - potential for groundwater contamination
P.H. - potential for drinking water contamination

Site Name	C&D, Rte 52 Hills Holding Corp	Region	3	Site Code	4	EPA ID#	None
HS Site Number	HS3008	County	Sullivan	Was the site ever on the Registry?	N	Registry #	353008
Site Address	Route 42 Fallsburg		12733	Owner	Thomas Gambino	Operator	Same

Site Description

Operations began at the site in the summer of 1988 as an exempt C&D debris site and was closed in Oct. 1988. Disposal of non permitted C&D material and unpermitted burning were noted at the site during the summer and fall of 1988. Hazardous waste was documented by the NYSDEC in Sept. 1988 and was removed. The site was covered with topsoil in Feb. 1989, yet in Nov. 1989 leachate was noted. From test pit excavations - wood, black oily silty sand and gravel, plastic sheets, concrete, brick fragments, steel rebar, steel pipes, carpet, glass, wire, rags, and telephone cable was found.

Hazardous Substances Disposed

Suspected hazardous substances associated with C&D disposal

Describe Potential Hazardous Threat

The leachate was observed entering an adjacent waterbody, placing the environment at risk. Area water supplies use groundwater in the area, placing the public health at risk.

Site Name	CHG&E, Kingston Gas Plant	Region	3	Site Code	2A	EPA ID#	NYD980531818
HS Site Number	HS3011	County	Ulster	Was the site ever on the Registry?	D	Registry #	356017
Site Address	East Strand Kingston		12401	Owner	Central Hudson Gas and Electri	Operator	U

Site Description

The facility is located in an industrial area of Kingston. The site is located on a point of land at the confluence of Rondout Creek and the Hudson River. The site was formerly the location of a coal gasification plant which operated until 1932.

Hazardous Substances Disposed

Suspected coal tar wastes

Describe Potential Hazardous Threat

Hazardous wastes associated with coal gasification may have been deposited to soil and/or groundwater. There is potential for damage to soil Rondout Creek and the Hudson River. Both streams are used for recreation and the Hudson is a spawning area for a number of fish species.

Site Name	CHG&E, Saugerties Coal Gas	Region	3	Site Code	2A	EPA ID#	None
HS Site Number	HS3015	County	Ulster	Was the site ever on the Registry?	D	Registry #	356018
Site Address	16 Ferry Street Saugerties		12477	Owner	Mrs. Harold Schaffer	Operator	Central Hudson Gas and Electri

Site Description

The Saugerties Gas Plant was constructed by the Saugerties Gas Light Company, and first produced gas around 1860. A home is currently situated on the foundation of an old gas holding tank.

Hazardous Substances Disposed

Suspected manufactured gas wastes (ie. coal tar, ammonia etc.)

Describe Potential Hazardous Threat

Although there is no documented hazardous waste or contamination at the site, coal tars, ammonia, and gas liquors are typical waste products of gasification plants and therefore create the potential for groundwater contamination.

SYL00115824

Active Hazardous Substances Waste Disposal Site Inventory

Site Name Clinton Town LF	Region 3	Site Code 3A	EPA ID# NYD980507982
HS Site Number HS3016	County Dutchess	Was the site ever on the Registry? Y	Registry # 314049
Site Address Slate Quarry Rd		Owner Casperkill Game Club	
Clinton	12514	Operator Town of Clinton	

Site Description

This is a Class 2A site. The site is an inactive landfill. It is not suspected to have received hazardous waste. The site is located in a rural area. Leachate has been observed flowing into surface water. Leachate is suspected to be migrating directly into the groundwater.

Hazardous Substances Disposed

arsenic, lead, zinc, cadmium, iron

Describe Potential Hazardous Threat

The metal concentrations in the leachate are within the range found in sanitary landfills; however, the flow into the neighboring stream should be mitigated.

Site Name Cornwall Landfill	Region 3	Site Code 3A	EPA ID# NYD570024451
HS Site Number HS3018	County Orange	Was the site ever on the Registry? D	Registry # 336011
Site Address Holloran Road		Owner Eagle Plywood Door Mfg. Co.	
Cornwall	12518	Operator Town of Cornwall	

Site Description

The site is a former municipal dump and sanitary landfill which was used from 1935 to 1977. It is presently used as a compost stockpile and for storage of gravel and road stone. The site is located directly east of the NYS Thruway on the north side of Holloran Road. This site was referred to the Division of Solid Waste on 3/12/93.

Hazardous Substances Disposed

Metals

Describe Potential Hazardous Threat

Contamination of groundwater has already occurred. Aquifer under site.

Site Name Creosote Plant	Region 3	Site Code 2B	EPA ID# None
HS Site Number HS3019	County Sullivan	Was the site ever on the Registry? U	Registry #
Site Address		Owner	
Rockland		Operator	

Site Description

Former wood chemical plant north of Livingston Manor

Hazardous Substances Disposed

Wood tar, acetone, methanol, acetic acid, calcium acetate

Describe Potential Hazardous Threat

Wood tar is considered to be carcinogenic

Site Name Electronics for Medicine	Region 3	Site Code 1B	EPA ID# NYD986882694
HS Site Number HS3022	County Westchester	Was the site ever on the Registry? N	Registry # N
Site Address 1 Campus Drive		Owner Honeywell, Inc.	
Pleasantville	10570	Operator Electronics for Medicine	

Site Description

It is believed that small quantities of hazardous waste were disposed of through a septic system on the former Manville Estate that is now a commercial and residential area. Two areas of marsh are located on the east side and on the southeast corner of the site. Area storm water drains to the eastern marsh before draining to the city storm drain system.

Hazardous Substances Disposed

lead, 1,1,1-trichloroethane, methylene chloride,
butyl alcohol, potassium, permanganate, chromium,
nickel, copper, ferric chloride, methyl ethyl ketone, hydrochloric acid, hydrocyanic acid, acetone, toluene, trichlorofluoromethane, hydrofluoric acid

Describe Potential Hazardous Threat

Since contaminated groundwater can flow to the city drain system the site is potentially hazardous.

SYL00115825

Active Hazardous Substances Waste Disposal Site Inventory

Site Name Fishkill Town LF	Region 3	Site Code 3A	EPA ID# NYD980508287
HS Site Number HS3023	County Dutchess	Was the site ever on the Registry? D	Registry # 314033
Site Address Carey Rd		Owner Fishkill Holding	
Fishkill	12524	Operator U	

Site Description

West landfill operated from 1960-1976; East landfill operated from 1976-1980. Both accepted municipal waste and possible industrial, agricultural, and demolition waste. Both sites are covered and well vegetated. No leachate stains or odors noted during visit. No liner exists for either landfill. A drainage swale was constructed along the northeastern and southeastern borders of the west site.

Hazardous Substances Disposed

Suspected hazardous substances associated with municipal and C&D wastes.

Describe Potential Hazardous Threat

Site Name G.H Treyz & Co.	Region 3	Site Code 2B	EPA ID# None
HS Site Number HS3024	County Sullivan	Was the site ever on the Registry? U	Registry #
Site Address Livingston Manor		Owner	
Rockland	12758	Operator	

Site Description

A former wood chemical plant in Livingston Manor, NY. The Sullivan County barns are now located near the site.

Hazardous Substances Disposed

Wood Tar, acetone, methanol, acetic acid, calcium acetate

Describe Potential Hazardous Threat

Wood tar is considered to be carcinogenic

Site Name G.H. Treyz Willowemoc Plant	Region 3	Site Code 2B	EPA ID# None
HS Site Number HS3025	County Sullivan	Was the site ever on the Registry? U	Registry #
Site Address		Owner	
Neversink	12765	Operator	

Site Description

Former wood chemical plant. Produced acetate of lye, charcoal and wood alcohol - Burned down in 1925

Hazardous Substances Disposed

Wood tar, acetone, methanol, acetic acid, calcium acetate

Describe Potential Hazardous Threat

Wood tar is considered to be a carcinogen

Site Name George Treyz Horton Plant	Region 3	Site Code 2B	EPA ID# None
HS Site Number HS3027	County Sullivan	Was the site ever on the Registry? U	Registry #
Site Address		Owner	
Horton	12745	Operator	

Site Description

Former wood chemical plant. Was the last acid factory in NYS. It produced 99% pure methanol, formaldehyde and acetic acid. The formaldehyde plant burned down in 1949, but the company produced charcoal until 1967.

Hazardous Substances Disposed

Wood tar, acetone, methanol, acetic acid, calcium acetate, formaldehyde

Describe Potential Hazardous Threat

Wood tar is considered to be a carcinogen and formaldehyde was probably released during the fire in 1949.

Site Name Georgia Pacific Corp.	Region 3	Site Code 1A	EPA ID# NYD054067756
HS Site Number HS3028	County Orange	Was the site ever on the Registry? D	Registry # 336003
Site Address U		Owner Georgia Pacific Corp.	
Warwick (v)	10990	Operator U	

Site Description

The facility is a paper printing industry where there are two unlined lagoons for ink operations, one concrete holding tank, one pretreatment plant, and a temporary drum storage area. This site was referred to the DOW and DHSR on 6/29/92.

Hazardous Substances Disposed

Lead, chloroform, 1-2 diphenylhydrazine,
2,4,6 trichlorophenol, PAH's

Describe Potential Hazardous Threat

The disposed chemicals have contaminated the soil.

SYL00115826

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Greenhaven Correctional Instit	Region	3	Site Code	3A	EPA ID#	NYD000010200
HS Site Number	HS3029	County	Dutchess	Was the site ever on the Registry?	D	Registry #	314028
Site Address	Route 216 Beekman		12570	Owner	Greenhaven Correction Institut		
				Operator	NYS		

Site Description

The site is an abandoned area for food, building, and other solid wastes generated at the facility. There have been observations of leachate in the adjacent wetland area. During the period when the landfill was active, numerous complaints were filed relative to the abundance of insects, rodents, and odor.

Hazardous Substances Disposed

Suspected hazardous substances associated with municipal waste.

Describe Potential Hazardous Threat

Leachate is contaminating adjacent wetland.

Site Name	Harmon Railroad Yard	Region	3	Site Code	1B	EPA ID#	None
HS Site Number	HS3030	County	Westchester	Was the site ever on the Registry?	D	Registry #	360019
Site Address	U Croton on Hudson		10520	Owner	Metro North Commuter Rd		
				Operator	Same		

Site Description

The Harmon Railroad Yard runs north-south, paralleling the eastern shore of the Hudson River. Much of the site lies on the eastern edge of Croton Point. A peninsula that extends approximately 2 miles into the Hudson Croton Bay. This site was referred to the Division of Construction Management on 10/23/92. The site is currently being studied.

Hazardous Substances Disposed

benzene - 2ppb, 4-methyl-2-pentanone - 93ppb, naphthalene - 87ppb, xylene - 27ppb, lead - 755ppb, mercury - 48ppb, pentachlorophenol - 99ppb

Describe Potential Hazardous Threat

Environmental impact was indicated by analytical data. The site was referred to the Division of Water on 10/23/92, due to the significant groundwater contamination which has been documented.

Site Name	Kerry Chemical at Hazel	Region	3	Site Code	2B	EPA ID#	None
HS Site Number	HS3033	County	Sullivan	Was the site ever on the Registry?	N	Registry #	N
Site Address	Hazel			Owner	U		
				Operator	U		

Site Description

The site is the abandoned ruins of a Kerry Co. Inc. "acid property" that was operated on the site from about 1900-1945. In 1936 the plant manufactured "ethyl acetate, a finished solvent used in the manufacture of leathers, celluloids, and cements."

Hazardous Substances Disposed

ethyl acetate

Describe Potential Hazardous Threat

Potential environmental threat to adjacent Willowemoc Creek.

Site Name	King Brothers Co.	Region	3	Site Code	2B	EPA ID#	None
HS Site Number	HS3034	County	Sullivan	Was the site ever on the Registry?	U	Registry #	
Site Address	Fernwood, NY Fremont		12736	Owner			
				Operator			

Site Description

Former wood chemical plant, just above the point where the East and West branches of Basket Creek meet by bridge. Also known as Fernwood Acid Factory.

Hazardous Substances Disposed

Wood Tar, acetone, methanol, acetic acid, calcium acetate

Describe Potential Hazardous Threat

Wood tar is believed to be a carcinogen

SYL00115827

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Kings Brothers Co. (Acidalia)	Region	3	Site Code	2B	EPA ID#	None
HS Site Number	HS3035	County	Sullivan	Was the site ever on the Registry?	U	Registry #	
Site Address	Fremont		12736	Owner		Operator	
Site Description							
Former wood chemical plant. Was 2 separate factories at almost same site, the second larger plant was built in 1881.							
Hazardous Substances Disposed							
Wood tar, acetone, methanol, acetic acid, calcium acetate							
Describe Potential Hazardous Threat							
Wood tar is believed to be a carcinogen							
Site Name	Luzerne Chemical Co.	Region	3	Site Code	2B	EPA ID#	None
HS Site Number	HS3037	County	Sullivan	Was the site ever on the Registry?	U	Registry #	
Site Address	Long Eddy, NY		12736	Owner		Operator	
Site Description							
Former wood chemical plant. Manufactured wood alcohol, acetate of lime and charcoal.							
Hazardous Substances Disposed							
Wood tar, acetone, methanol, acetic acid, calcium acetate							
Describe Potential Hazardous Threat							
Wood tar is considered to be a carcinogen							
Site Name	Merion Bluegrass Sod Farm	Region	3	Site Code	3A	EPA ID#	NYD980534689
HS Site Number	HS3039	County	Orange	Was the site ever on the Registry?	D	Registry #	336013
Site Address	Turtle Bay Road		10958	Owner	Merion Bluegrass Sod Farm	Operator	U
Site Description							
The site is located on Turtle Bay Road adjacent to the Wallkill River in the Wallkill black dirt agricultural area. The site is a sod farm on which sewage sludge and septage was spread.							
Hazardous Substances Disposed							
cadmium, nickel, copper, zinc, lead, mercury, chromium, manganese							
Describe Potential Hazardous Threat							
The Division of Solid Wastes has requested the PRP to prepare a closure plan and to sample the sludge in the lagoon to determine the extent of contamination.							
Site Name	Minisink Rubber	Region	3	Site Code	1B	EPA ID#	NYD061335113
HS Site Number	HS3040	County	Orange	Was the site ever on the Registry?	D	Registry #	336004
Site Address	U		10988	Owner	James McNeil	Operator	Delford Industries
Site Description							
The site consists of one large factory building, an adjacent office building, and a one-story laboratory, all facing Jersey Ave, the western property boundary. The northeastern boundary is the Unionville Village Cemetery. The site has a slight grade toward the southeast until a steeply pitched, almost vertical fill area is encountered. An unnamed tributary to the Wallkill River flows around the fill area and continues in a northeasterly direction. The fill contacts the stream, a NYSDEC class D, surface water, in several locations.							
Hazardous Substances Disposed							
1,1,1-Trichloroethane - 2mcg/l, Toluene - .6mcg/l, Sodium - 30.3mg/l, PNA's, semi-voc's contamination							
Describe Potential Hazardous Threat							
Public drinking water supply wells are present in the area. Access to the site is unrestricted therefore there is a potential for trespassers to be exposed to the stored wastes. The site is bordered by a tributary to the Wallkill River that may have been impacted by contact with landfill wastes.							
Site Name	Newburgh Landfill	Region	3	Site Code	3A	EPA ID#	NYD980534846
HS Site Number	HS3041	County	Orange	Was the site ever on the Registry?	N	Registry #	N
Site Address	Pierces Road		12550	Owner	City of Newburgh	Operator	Same
Site Description							
Inactive landfill in a residential area, buried all types of sludges from 1965-76. The landfill presently accepts trees, leaves, and brush. The southern and eastern portions of the landfill are bordered by residential and commercial properties. There is an intermediate cover in place.							

SYL00115828

Active Hazardous Substances Waste Disposal Site Inventory

Hazardous Substances Disposed

Possible buried wastes: caustics, pigments, polyvinyl chloride resin, solvents, calcium carbonate, silica, oils, pesticides

Describe Potential Hazardous Threat

Possible hazards exist because of leachate entering a drainage culvert, illegal dumping(no fence to control dumping), and no containment berms or liners to control leakage. There is a possible hazard to the food chain to be at risk because surface water is used for drinking in the area. There is an intermediate cover in place.

Site Name	North of Ramapo Well Field	Region	3	Site Code	5-well	EPA ID#	NYD980762678
HS Site Number	HS3042	County	Rockland	Was the site ever on the Registry?	D	Registry #	344027
Site Address	Adj to Route 17			Owner	Ramapo Land Co		
	Ramapo		10974	Operator	Spring Valley Water Co		

Site Description

The site inspection found refuse including rusty metal, fabric, empty oil and anti-freeze containers, automobile gas tanks, tires, paint cans, mason jars containing grease, bricks and cinder blocks. There have been no industrial activities on-site since the ownership of this land.

Hazardous Substances Disposed

Hazardous substances associated with C&D waste.

Describe Potential Hazardous Threat

Possible surface and groundwater contamination. There are 5 water supply wells maintained by the Spring Valley Water Company onsite.

Site Name	O&R Utilities, Monroe	Region	3	Site Code	1A	EPA ID#	NYD000706143
HS Site Number	HS3047	County	Orange	Was the site ever on the Registry?	N	Registry #	N
Site Address	1 Orange and Rockland Rd			Owner	Orange & Rockland Utilities		
	Monroe		10950	Operator	Orange and Rockland Utilities		

Site Description

Electrical transformer station with stained soil on site.

Hazardous Substances Disposed

1,1,1-trichloroethane (71 55 6), naphthalene (91 20 3), 2-methylnaphthalene (91 57 6), phenanthrene (81 01 8), fluoranthene (206 44 0), pyrene (129 00 0), benzo(b)fluoranthene (205 99 2), benzo(k)fluoranthene (207 08 9), 4,4'-DDE (72 55 9), aroclor-1254 (11097 69 1), aroclor-1260 (11096 82 5), chrysene (218 01 9), benzo(a)anthracene (56 55 3), copper (7440 50 8), lead (7439 92 1), zinc (7440 66 6), mercury (7439 97 6)

Describe Potential Hazardous Threat

There are no barriers to prevent the migration of a spill. Some stained soil was found, however, there is no evidence of a spill. Soil contamination has been confirmed. Residents fish and swim in the lake adjacent to the site, and drink from various wells in the vicinity. A potential threat to the public health of these residents exists.

Site Name	Orkin Exterminating Co.	Region	3	Site Code	1B	EPA ID#	None
HS Site Number	HS3052	County	Dutchess	Was the site ever on the Registry?	N	Registry #	N
Site Address	Route 82			Owner	Orkin Exterminating		
	LaGrangeville		12540	Operator	Abalene Pest Control		

Site Description

The site contamination appears to have occurred after 1980 and was probably from the act of illegally disposing of pesticides by the site's previous owner, Abalene Pest Control. The Abalene Co. used the property for storage of pesticide materials. Initial soil samples detected concentrations of DDT, DEE, Endosulfan 1, and Endosulfan 2. These chemicals were also found in more extensive follow-up sampling.

Hazardous Substances Disposed

DDT, DEE, Endosulfan sulfate, Endosulfan 1&2

Describe Potential Hazardous Threat

There is extensive soil contamination; it would seem that it is the result of disposal of this material and not from any legal application.

Site Name	Pawling Village Landfill	Region	3	Site Code	3A	EPA ID#	NYD980507453
HS Site Number	HS3054	County	Dutchess	Was the site ever on the Registry?	Y	Registry #	314036
Site Address	River Road			Owner	Village of Pawling		
	Pawling		12564	Operator	Same		

Site Description

This is a former class 2A site. The landfill is in a wetland; the site is covered and vegetated. It is alleged that hazardous industrial waste from Pawling Rubber Co. (PRC) in addition to municipal wastes have been disposed of on-site. PRC disposed of about 14405 tons of supposedly hazardous solid and sludge wastes. This site will require a Part 360 cover.

Hazardous Substances Disposed

Metals, 300 tons of semi-solidified combination of lubricating oils and rubber making chemicals placed in drums prior to landfilling.

Describe Potential Hazardous Threat

Along the edges of the landfill, garbage (metal goods) protruded from the cover or was directly over the ground. Leachate was observed and several areas around the edge of the landfill. The water around the landfill had an oily sheen in many areas.

SYL00115829

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Phelps & Sons	Region	3	Site Code	1B	EPA ID#	None
HS Site Number	HS3055	County	Orange	Was the site ever on the Registry?	N	Registry #	N
Site Address	South Street Newburgh		12550	Owner	Phelps	Operator	U
Site Description The site was used as a solvent reclamation facility. At least 1000 55 gallon drums were stored on the property containing ketones, alcohols, binyl dispersions, plasterers.							
Hazardous Substances Disposed ketones, alcohols, binyl dispersions, plasterers							
Describe Potential Hazardous Threat Public water serves the area. It is not known if the site is fenced. Due to the nature of the site, there is potential for physical hazards and chemical exposures to trespassers.							
Site Name	Pleasant Valley Landfill	Region	3	Site Code	3A	EPA ID#	NYD980507511
HS Site Number	HS3056	County	Dutchess	Was the site ever on the Registry?	D	Registry #	314037
Site Address	Pine Hill Road Pleasant Valley		12569	Owner	Gordon Daley	Operator	U
Site Description The site accepted municipal refuse and operated an open dump until 1968. Wastes were typically placed directly on bedrock and subsequently burned once or twice a week. After 1968 the site was operated as a landfill. The site supposedly accepted chlorinated waste from an industrial bleaching process.							
Hazardous Substances Disposed Iron, manganese, SVOC's, VOC's							
Describe Potential Hazardous Threat Each of the sediment samples exceeded the Dept. of Fish and Wildlife criteria for determining toxicity of aquatic and terretial life with respect to: arsenic, manganese, mercury, copper, chromium, lead, nickel, and zinc. Levels of iron and manganese violated standards. There is semi-VOC and VOC contamination; a site-specific list is attached to the nomination form on file at the NYSDEC							
Site Name	Port Chester Harbor	Region	3	Site Code	3B	EPA ID#	None
HS Site Number	HS3057	County	Westchester	Was the site ever on the Registry?	N	Registry #	N
Site Address	Fox Island Road Port Chester		10573	Owner	multi-owner site	Operator	Same
Site Description Eighteen acres of land located at the mouth of Byram River (known as Port Chester Harbor) was under consideration by a developer for the purpose of constructing private residential housing and public parks. Their environmental study yielded five areas of concern based upon historical use of the land, which includes landfilling of municipal waste and incinerator ash/sludge; petroleum product storage, and handling of chemicals from various on-site industries. This site was referred to the Division of Solid Waste on 1/3/90.							
Hazardous Substances Disposed lead, cadmium, mercury, barium, arsenic, silver, trichloroethene							
Describe Potential Hazardous Threat Exposure through dermal contact, ingestion and inhalation of contaminants in soil, groundwater and air.							
Site Name	Quaker Road, Mt. Ivy Swamp	Region	3	Site Code	3A	EPA ID#	NYD981184179
HS Site Number	HS3059	County	Rockland	Was the site ever on the Registry?	D	Registry #	344024
Site Address	U Haverstraw		10927	Owner	Quaker Ridge	Operator	U
Site Description The site consists of a small dump located behind an auto/bus repair facility. The dump extends into the Mt. Ivy Swamp. This site was referred to the Division of Solid Waste on 10/8/92.							
Hazardous Substances Disposed Metals							
Describe Potential Hazardous Threat Some contamination of groundwater and surface water.							

SYL00115830

Active Hazardous Substances Waste Disposal Site Inventory

Site Name Ramapo Incinerator	Region 3	Site Code 3A	EPA ID# NYD980507545
HS Site Number HS3062	County Rockland	Was the site ever on the Registry? D	Registry # 344007
Site Address Route 45 and Incinerator Road		Owner Town of Ramapo	
	Ramapo 10901	Operator U	

Site Description

The site consists of a landfill that was used for disposal of municipal waste and ash resulting from incineration of some of the waste. This site was referred to the Division of Solid Waste on 7/23/91. Site may require a Part 360 cover.

Hazardous Substances Disposed

iron, magnesium, manganese, sodium, mercury, tetrachloroethene, phenol, aluminum, zinc

Describe Potential Hazardous Threat

The downgradient overburden well was contaminated with iron, mercury, and sodium. Some metals were also observed in the surface water/sediment and leachate samples.

Site Name Roscoe	Region 3	Site Code 2B	EPA ID# NYD986870608
HS Site Number HS3065	County Sullivan	Was the site ever on the Registry? Y	Registry # 353006
Site Address Yorktown Rd.		Owner Nelson Burke	
	Roscoe 12776	Operator Dudley Finch	

Site Description

This site was a wood chemical plant opened in 1894 and closed in 1904. A resident in the area noticed a tar-like substance bubbling to the surface near their home. Some residents reported allegations of a number of buried tar pits on several properties in the area. A phase I investigation was completed. The site was sampled in the summer of 1987 and the spring of 1994. Sample results confirm disposal of the wood tar on site, and showed elevated levels of various semi-volatile compounds, but the tar-like substance is a non-hazardous waste. This is a class 2 site.

Hazardous Substances Disposed

Wood tar, acetone, methanol, acetic acid, calcium acetate

Describe Potential Hazardous Threat

Wood tar is considered to be a carcinogen

Site Name Roscoe (DeBruce)	Region 3	Site Code 2B	EPA ID# None
HS Site Number HS3066	County Sullivan	Was the site ever on the Registry? U	Registry #
Site Address		Owner	
	Livingston Manor 12758	Operator	

Site Description

A small former wood chemical plant

Hazardous Substances Disposed

Wood tar, acetone, methanol, acetic acid, calcium acetate

Describe Potential Hazardous Threat

Wood tar is considered to be carcinogenic

Site Name Roscoe (Grooville)	Region 3	Site Code 2B	EPA ID# None
HS Site Number HS3067	County Sullivan	Was the site ever on the Registry? U	Registry #
Site Address		Owner	
	Rockland	Operator	

Site Description

Former wood chemical plant

Hazardous Substances Disposed

Wood tar, acetone, methanol, acetic acid, calcium acetate

Describe Potential Hazardous Threat

Wood tar is considered to be a carcinogen

Site Name Roscoe (Spring Brook)	Region 3	Site Code 2B	EPA ID# None
HS Site Number HS3068	County Sullivan	Was the site ever on the Registry? U	Registry #
Site Address		Owner	
	Rockland	Operator	

Site Description

Former wood chemical plant

Hazardous Substances Disposed

Wood tar, acetone, methanol, acetic acid, calcium acetate

Describe Potential Hazardous Threat

Wood tar is considered to be a carcinogen

SYL00115831

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Skinner Track	Region	3	Site Code	3A	EPA ID#	None
HS Site Number	HS3070	County	Orange	Was the site ever on the Registry?	D	Registry #	336033
Site Address	Skinner Rd Wawayanda		10958	Owner		Operator	
Site Description The site is an area of open dumping of refuse and farm chemical containers. The site is located along the northeast side of the southwest end of Skinner Track. Fires with multi-colored smoke have been reported at the site.							
Hazardous Substances Disposed suspected farm chemicals and refuse							
Describe Potential Hazardous Threat Farm chemical containers located on the site did not contain product and are assumed to have been empty at the time of disposal. It is recommended that all debris be removed from the Skinner Track site and disposed properly.							
Site Name	Stampate Inc.	Region	3	Site Code	1	EPA ID#	NYD002427953
HS Site Number	HS3071	County	Ulster	Was the site ever on the Registry?	N	Registry #	N
Site Address	Cottage St. Walkill		12589	Owner	Richter Metal Stamping & Plati	Operator	Stampate Inc.
Site Description A metal stamping and plating facility places waste water sludge in drums prior to the removal from site. The sludges contains nickel, copper, zinc, chromium, and salts. Spent lacquers are also stored before removal. During a site inspection stained soil and small spills were observed.							
Hazardous Substances Disposed Sludge containing nickel, copper, zinc, chromium, and salts, spent lacquers							
Describe Potential Hazardous Threat Due to high air readings, no mention of containment measures, and lack of analysis from samples taken, a risk is posed by this site.							
Site Name	Thomas Keery Co.	Region	3	Site Code	2B	EPA ID#	None
HS Site Number	HS3072	County	Sullivan	Was the site ever on the Registry?	U	Registry #	
Site Address	Appley's Switch Rockland			Owner		Operator	
Site Description Former wood chemical plant. Rebuilt in 1903; produced tar, acetate, crude methanol and charcoal. Lime may still be on site. It is located near Livingston Manor, south of Rt. 17.							
Hazardous Substances Disposed Wood tar, acetone, methanol, acetic acid, calcium acetate							
Describe Potential Hazardous Threat Wood tar is considered to be carcinogenic							
Site Name	Thomas Kerry Chemical Co. (Ros	Region	3	Site Code	2B	EPA ID#	None
HS Site Number	HS3073	County	Sullivan	Was the site ever on the Registry?	U	Registry #	
Site Address	Rockland			Owner		Operator	
Site Description Former wood chemical plant, normally sold charcoal and tar products.							
Hazardous Substances Disposed Wood Tar, acetone, methanol, acetic acid, calcium acetate							
Describe Potential Hazardous Threat Wood tar is considered to be carcinogenic							
Site Name	VA Hospital	Region	3	Site Code	3B	EPA ID#	NY8360007282
HS Site Number	HS3074	County	Dutchess	Was the site ever on the Registry?	N	Registry #	N
Site Address	Rt. 90 Castle Point		12511	Owner	Veterans Administration Centra	Operator	VA Central Office
Site Description Inactive landfill is located 600 feet from the Hudson River and 2200 feet from the VA hospital. The landfill is unlined and does not contain a leachate collection system.							
Hazardous Substances Disposed Reported wastes include paint, paint thinner, plastics, metals, and asbestos.							

SYL00115832

Describe Potential Hazardous Threat

Groundwater within 3 miles of the site is used by over 10 000 people as a drinking water supply. The site has been identified by EPA CERCLA as

Active Hazardous Substances Waste Disposal Site Inventory

a potential contamination source of groundwater and surface water.

Site Name DeLuca Farms	Region 3	Site Code 5	EPA ID# None
HS Site Number HS3077	County Putnam	Was the site ever on the Registry? N	Registry # 340018
Site Address Emily Lane		Owner Putnam County (County Clerk)	
Carmel	10541	Operator Philip and Mary DeLuca	

Site Description

The DeLuca Farm site is located on Emily Lane in a rural area of the Town of Carmel, Putnam County, NY. The site consists of two undeveloped lots (Lot 42 and 43) comprising 4.6 acres within the DeLuca Farms Subdivision. The lots immediately adjacent to the site (east, west and north) are occupied by single family residences. The area within 1-mile of DeLuca Farms is primarily residential. The site contains no permanent structures or dwellings but has 33 waste disposal trenches that still contain sludge material. The site is heavily vegetated. An inactive residential well, RW-42, lies in the center of the site. The Town of Carmel leased the 4.6 acre site from 1955 to 1970 for the disposal of liquid septic wastes.

Hazardous Substances Disposed

Groundwater and drinking water are contaminated with DCE, PCE and TCE.

Describe Potential Hazardous Threat

The site poses a significant threat to human health and the environment through the ingestion of contaminated water and direct contact with on-site sludge and soils. Several private wells have been contaminated above drinking water standards.

Site Name Adirondack Steel Casting Co.	Region 4	Site Code 3B	EPA ID# NYD000001410
HS Site Number HS4001	County Albany	Was the site ever on the Registry? D	Registry # 401023
Site Address 191 Watervliet Shaker Road		Owner Donald W. Stone/Timmons Corp.	
Watervliet	12189	Operator U	

Site Description

This nine acre landfill received spent foundry and core sands, furnace slag, refractories slag and collector dust (approximately 12,000 tons/yr).

Hazardous Substances Disposed

Phenol (108-95-2), copper (7440-50-8), chromium (7440-47-3), lead (7439-92-1), zinc (7440-66-6)

Describe Potential Hazardous Threat

There is the possibility of groundwater contamination. Uncontrolled access allows kids to use site as a "playground/party area."

Site Name Arkville Chemical Co.	Region 4	Site Code 2B	EPA ID# None
HS Site Number HS4002	County Delaware	Was the site ever on the Registry? U	Registry #
Site Address		Owner	
Middletown	10940	Operator	

Site Description

Former wood chemical plant. It was purchased by Treyz in 1898

Hazardous Substances Disposed

Wood tar, acetone, methanol, acetic acid, calcium acetate

Describe Potential Hazardous Threat

Wood tar is considered to be carcinogenic

Site Name Austerlitz Town Garage	Region 4	Site Code 5 - garage	EPA ID# None
HS Site Number HS4003	County Columbia	Was the site ever on the Registry? N	Registry # 411010
Site Address Austerlitz, Highway Sup.		Owner Town of Austerlitz	
Spencertown	12165	Operator	

Site Description

Town Garage

Hazardous Substances Disposed

Arsenic: 7440-38-2, benzene: 71-43-2, chlorobenzene: 108-90-7, isopropylbenzene: 98-82-8, methylene chloride: 75-09-2, ethylbenzene: 100-41-4, naphthalene: 91-20-3, tetrachloroethene: 127-18-4, toluene: 108-88-3

Describe Potential Hazardous Threat

Minimal. Wastes are spills through operation. Nothing deliberately dumped.

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Beerston Acetate Factory	Region	4	Site Code	2B	EPA ID#	None
HS Site Number	HS4004	County	Delaware	Was the site ever on the Registry?	U	Registry #	
Site Address	Walton		13856	Owner		Operator	
Site Description							
Former wood chemical plant. The Cannonsville Reservoir is now located there. The site is located along Rt. 10 across from the Board Of Water Supply Police Station of Cannonsville Reservoir.							
Hazardous Substances Disposed							
Wood tar, acetone, methanol, acetic acid, calcium acetate							
Describe Potential Hazardous Threat							
Wood tar is believed to be a carcinogen							
Site Name	Burnwood	Region	4	Site Code	2B	EPA ID#	None
HS Site Number	HS4005	County	Delaware	Was the site ever on the Registry?	U	Registry #	
Site Address	Hancock		13783	Owner		Operator	
Site Description							
Former wood chemical plant, located at the intersection of Methol and Eminence Roads. It was a small plant.							
Hazardous Substances Disposed							
Wood tar, acetone, methanol, acetic acid, calcium acetate							
Describe Potential Hazardous Threat							
Wood tar is considered to be carcinogenic							
Site Name	C&D Moran Site	Region	4	Site Code	4	EPA ID#	None
HS Site Number	HS4006	County	Columbia	Was the site ever on the Registry?	N	Registry #	411008
Site Address	Highland Ave		12565	Owner	Mr. Louis Moran	Operator	Louis Moran
Site Description							
The C&D debris was deposited in a narrow gorge between two N-S ridges. Until the sites "closure" in November 1988 there were numerous complaints by the nearby residents of noise, odors, and illegal dumping. Two landfill fires occurred, one in April 1989 and the other in March 1990, both requiring emergency response and fire fighting. During a site reconnaissance in November 1990, by Dunn, leachate was observed to the north and south of the fill area and hydrogen sulfide gas(up to 45 ppm) and smoke were emanating from vents on the surface of the fill area. 70 percent of the waste is charred decaying pallets and construction lumber, electrical cable, steel and copper pipe, thin plastic sheeting, concrete rubble, carpet, a crushed drum, and 10,000 tires. There is ongoing enforcement by AG.							
Hazardous Substances Disposed							
C&D debris, a crushed drum, 10,000 tires and hazardous substances associated with C&D waste, pesticides, PCB's							
Describe Potential Hazardous Threat							
Groundwater has been contaminated, drinking water supplies are less than 3 miles from the site. A NYSDOH survey revealed that many symptoms experienced by respondents to a health questionnaire living in proximity to the site, such as eye and respiratory irritation, are constant with intermittent exposures to H2S.							
Site Name	C&D, Ferro Site	Region	4	Site Code	4	EPA ID#	None
HS Site Number	HS4007	County	Greene	Was the site ever on the Registry?	N	Registry #	420022
Site Address	Route 23		12414	Owner	Nicholas/Michael/Salvatore/Fer	Operator	N&S Demolition Corp.
Site Description							
The landfill is currently on the property owned by KBK Investor Corp. Who were reportedly neither involved in the site operation nor received any compensation for the dumping which occurred on their property. The landfill began operation in 1988 as an exempt C&D debris site. The debris was deposited on a hillside north of residential areas, and east of conrail railroad. There were numerous complaints of burning and illegal dumping. In December 1988, a release of gasoline from an underground storage tank located offsite north of Route 23 was documented by NYSDEC personnel. The impact of this gasoline release with respect to the Ferro site was not able to be fully assessed without a subsurface investigation. There is ongoing enforcement by AG.							
Hazardous Substances Disposed							
Hazardous substances associated with C&D debris and illegal dumping							
Describe Potential Hazardous Threat							
The NYSDEC conducted a survey of the town and Village of Catskill residents. Greater than 75% noted a rotten egg odor frequently. More serious health problems were reported more frequently by residents living closer to the site.							

SYL00115834

Active Hazardous Substances Waste Disposal Site Inventory

Site Name C&D, LaMunyan	Region 4	Site Code 4	EPA ID# None
HS Site Number HS4008	County Columbia	Was the site ever on the Registry? N	Registry # 411009
Site Address Route 96 Clermont		Owner Carl LaMunyan	Operator Same

Site Description

The LaMunyan site was utilized as an auto repair shop/junkyard prior to its use for disposal of C&D debris. Carl LaMunyan began to dispose of C&D debris in 02/88 to fill in two to four acres of his land to road level under the claim of the one year exemption provision in 6NYCRR Part 360. The NYSDEC Notified LaMunyan in 11/88 that his landfill was in violation of the state's solid waste rules and regulations since site inspections revealed that wastes not classified as C&D material were being dumped at the site. The town of Clermont obtained a temporary restraining order on 11/19/88 in order to prevent Mr. LaMunyan from further dumping at the landfill. He was caught dumping debris at the site in 1989 and was subsequently found in contempt of court and sentenced to 15 days in jail. However, the contempt sentence was waived on the condition that Mr. LaMunyan would sign a consent order with the NYSDEC for remediation and closure of the site. There is ongoing enforcement by AG.

Hazardous Substances Disposed

Benzene, ethylbenzene, xylene, copper, cadmium, lead, toluene

Describe Potential Hazardous Threat

There is contamination of groundwater and surface waters. A NYSDOH health survey revealed that many symptoms experienced by respondents to a health questionnaire living in close proximity to the site, such as eye and respiration irritation are consistent with intermittent exposures to hydrogen sulfide. However, ambient air contamination showed sporadic detection of hydrogen sulfide at very low concentrations.

Site Name C.W. Peak	Region 4	Site Code 2B	EPA ID# None
HS Site Number HS4009	County Delaware	Was the site ever on the Registry? U	Registry #
Site Address Hancock		Owner	Operator
	13783		

Site Description

Former wood chemical plant

Hazardous Substances Disposed

Wood Tar, acetone, methanol, acetic acid, calcium acetate

Describe Potential Hazardous Threat

Wood tar is considered to be carcinogenic

Site Name Cadosia Lumber	Region 4	Site Code 1B	EPA ID# None
HS Site Number HS4010	County Delaware	Was the site ever on the Registry? D	Registry # 413012
Site Address Cadosia-Apex Road Cadosia		Owner Cadosia Lumber Co.	Operator Carme Vitale Jr.
	13783		

Site Description

The site consists of a former lumber yard and surrounding property, with seven buildings on-site. Three large above ground storage tanks and two large dip tanks containing waste tars and fuel oils used in a landscape timber treating operation are located in the northeast corner of the site. This site was referred to the Division of Construction Management on 10/13/92.

Hazardous Substances Disposed

Waste tars and fuel oils, VOC's, SVOC's

Describe Potential Hazardous Threat

The tanks are unsecure and in poor condition and have spilled and leaked contents onto the ground. The soils and waste materials sampled contained high concentrations of semi-VOC.

Site Name Centerville Plant	Region 4	Site Code 2B	EPA ID# None
HS Site Number HS4011	County Delaware	Was the site ever on the Registry? U	Registry #
Site Address Hancock		Owner	Operator
	13783		

Site Description

Former wood chemical plant located in Centerviller or Linden, NY, near Morrison Brook and East Branch.

Hazardous Substances Disposed

Wood tar, acetone, methanol, acetic acid, calcium acetate

Describe Potential Hazardous Threat

Wood tar is considered to be carcinogenic

SYL00115835

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Cook's Falls Dye Works	Region	4	Site Code	2B	EPA ID#	None
HS Site Number	HS4012	County	Delaware	Was the site ever on the Registry?	U	Registry #	
Site Address	Colchester			Owner			
				Operator			
Site Description							
Former wood chemical plant. Located at Russell Brook, three miles up the railroad line. Also known as George I. Treyz, it burned in May 1941.							
Hazardous Substances Disposed							
Wood tar, acetone, methanol, acetic acid, calcium acetate							
Describe Potential Hazardous Threat							
Wood tar is believed to be carcinogenic							
Site Name	Cooks Falls	Region	4	Site Code	2B	EPA ID#	None
HS Site Number	HS4013	County	Delaware	Was the site ever on the Registry?	U	Registry #	
Site Address	Colchester			Owner			
				Operator			
Site Description							
Former wood chemical plant. "First known acid factory"							
Hazardous Substances Disposed							
Wood tar, acetone, methanol, acetic acid, calcium acetate							
Describe Potential Hazardous Threat							
Wood tar is considered to be carcinogenic							
Site Name	Corbett & Stuart	Region	4	Site Code	2B	EPA ID#	None
HS Site Number	HS4014	County	Delaware	Was the site ever on the Registry?	U	Registry #	
Site Address	Colchester			Owner			
				Operator			
Site Description							
Former wood chemical plant. Largest in the region, processed 60 cords per day.							
Hazardous Substances Disposed							
Wood tar, acetone, methanol, acetic acid, calcium acetate							
Describe Potential Hazardous Threat							
Wood tar is considered to be carcinogenic							
Site Name	Corbett and Stewart Harvard Pl	Region	4	Site Code	2B	EPA ID#	None
HS Site Number	HS4015	County	Delaware	Was the site ever on the Registry?	U	Registry #	
Site Address	Hancock		13783	Owner			
				Operator			
Site Description							
Former wood chemical plant							
Hazardous Substances Disposed							
Wood tar, acetone, methanol, acetic acid, calcium acetate							
Describe Potential Hazardous Threat							
Wood tar is considered to be carcinogenic							
Site Name	East Greenbush Landfill	Region	4	Site Code	3A	EPA ID#	NYD982269938
HS Site Number	HS4016	County	Rensselaer	Was the site ever on the Registry?	D	Registry #	442016
Site Address	Ridge Road			Owner	Town of East Greenbush		
	East Greenbush		12061	Operator	U		
Site Description							
An inactive municipal landfill where superchlorinated septic sludge and industrial wastes are also accepted. Leachate has been identified in several places. Analysis of leachate has revealed the presence of hazardous compounds. This site was referred to the Division of Solid Waste on 9/29/92.							
Hazardous Substances Disposed							
Phenols, acetone, xylenes, toluene, benzene, lead							
Describe Potential Hazardous Threat							
Leachate noted migrating from landfill to surface water on site. Potential for conatmination of ground and surface water.							

SYL00115836

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Elk Brook	Region	4	Site Code	2B	EPA ID#	None
HS Site Number	HS4017	County	Delaware	Was the site ever on the Registry?	U	Registry #	
Site Address	Hancock		13783	Owner		Operator	
Site Description							
Former wood chemical plant, near Cook's Falls, near train station.							
Hazardous Substances Disposed							
Wood tar, acetone, methanol, acetic acid, calcium acetate							
Describe Potential Hazardous Threat							
Wood tar is believed to be carcinogenic							
Site Name	G. Treyz (Russell Brook Plant)	Region	4	Site Code	2B	EPA ID#	None
HS Site Number	HS4018	County	Delaware	Was the site ever on the Registry?	U	Registry #	
Site Address	Colchester			Owner		Operator	
Site Description							
Former wood chemical plant. It is located just north of Exit 93, where a corrugated steel building now stands.							
Hazardous Substances Disposed							
Wood tar, acetone, methanol, acetic acid, calcium acetate							
Describe Potential Hazardous Threat							
Wood tar is believed to be carcinogenic							
Site Name	George I. Treyz	Region	4	Site Code	2B	EPA ID#	None
HS Site Number	HS4019	County	Delaware	Was the site ever on the Registry?	U	Registry #	
Site Address	Cooks Falls			Owner		Operator	
	Colchester						
Site Description							
Former wood chemical plant. Also known as Cooks Falls Dye Works, it burned in May 1941.							
Hazardous Substances Disposed							
Wood tar, acetone, methanol, acetic acid, calcium acetate							
Describe Potential Hazardous Threat							
Wood tar is considered to be carcinogenic							
Site Name	Griffin Labs	Region	4	Site Code	1B	EPA ID#	NYD986871713
HS Site Number	HS4020	County	Albany	Was the site ever on the Registry?	D	Registry #	401030
Site Address	Rte. 155, State Farm Road			Owner	NYSDOH	Operator	U
	Guilderland (T)		12084				
Site Description							
Griffin Labs is part of the Wadsworth Center for Laboratories and Research as a domesticated animal production and veterinary services facility. NYSDOH rabies research and animal testing has been conducted on-site. Waste solvents were generated at the site prior to 1978 and generated and transported to the site between 1980 and 1987. Four separate locations were used to store the solvents. Adjacent to one storage area is an unpermitted active landfill formerly used for construction and demolition debris generated on-site.							
Hazardous Substances Disposed							
Chloroform, phenathrene, fluoranthene, pyrene, 4,4'-DDE, 4,4'-DDT, copper, mercury, zinc, lead magnesium, nickel							
Describe Potential Hazardous Threat							
Mercury was found in the soil at a concentration of 2 mg/kg in shallow soil. Main threats are direct contact and erosion of surface and slope material into drainage ditches (surface water). The monitoring well data indicated no release to groundwater. EPTox indicated no leachable concentrations of metals present.							
Site Name	Hendrick Hudson Fish and Game	Region	4	Site Code	5-leadshot	EPA ID#	U
HS Site Number	HS4021	County	Rensselaer	Was the site ever on the Registry?	U	Registry #	U
Site Address	Wyantskill		12198	Owner	U	Operator	U
Site Description							
As of July 1994, Pace University intends to file a citizens suit under section 7002 of RCRA.							
Hazardous Substances Disposed							
Lead							
Describe Potential Hazardous Threat							
There is documented mortality of Canada geese nearby. The geese died of lead poisoning from ingesting small lead shot.							

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Kerry Brothers (Keeryville)	Region	4	Site Code	2B	EPA ID#	None
HS Site Number	HS4022	County	Delaware	Was the site ever on the Registry?	U	Registry #	
Site Address	Hancock		13783	Owner		Operator	
Site Description	Former wood chemical plant						
Hazardous Substances Disposed	Wood tar, acetone, methanol, acetic acid, calcium acetate						
Describe Potential Hazardous Threat	Wood tar is considered to be a carcinogen						
Site Name	Kerry Brothers (Tyler's Switch	Region	4	Site Code	2B	EPA ID#	None
HS Site Number	HS4023	County	Delaware	Was the site ever on the Registry?	U	Registry #	
Site Address	Hancock		13783	Owner		Operator	
Site Description	Former wood chemical plant, considered a small acid factory. Appears to be present site of Tompkin Bluestone Co.						
Hazardous Substances Disposed	Wood tar, acetone, methanol, acetic acid, calcium acetate						
Describe Potential Hazardous Threat	Wood tar is considered to be a carcinogen						
Site Name	Lordville Coal Tar Site	Region	4	Site Code	2A	EPA ID#	NYD986913572
HS Site Number	HS4024	County	Delaware	Was the site ever on the Registry?	U	Registry #	413007
Site Address	U			Owner	CONRAIL	Operator	U
Site Description	The Lordville site was a scene of a railroad accident in which tanker cars spilled coal tar into and near the Delaware River. Local residents and the DEC have expressed concern for the effects of coal tar on the river habitats.						
Hazardous Substances Disposed	antimony, beryllium, cadmium, iron, lead, manganese, phenol, cresol, pyridine, benzene						
Describe Potential Hazardous Threat	On Jan. 13, 1975 a trainwreck involving derailment of 33 cars occurred. Two of the tank cars leaked coal tar into the Delaware River. A unlined pit was constructed to hold the tar and soil dredged from the river. It contains all the chemicals commonly associated with coal tar.						
Site Name	Luzern Upper Fish's Eddy Acid	Region	4	Site Code	2B	EPA ID#	None
HS Site Number	HS4025	County	Delaware	Was the site ever on the Registry?	U	Registry #	
Site Address	Fish's Eddy, NY		13783	Owner		Operator	
Site Description	Former wood chemical plant						
Hazardous Substances Disposed	Wood tar, acetone, methanol, acetic acid, calcium acetate						
Describe Potential Hazardous Threat	Wood tar is considered to be a carcinogen						
Site Name	Maryland Wood Products	Region	4	Site Code	2B	EPA ID#	None
HS Site Number	HS4026	County	Otsego	Was the site ever on the Registry?	U	Registry #	
Site Address	Maryland		12116	Owner		Operator	
Site Description	Former wood chemical plant						
Hazardous Substances Disposed	Wood tar, acetone, methanol, acetic acid, calcium acetate						
Describe Potential Hazardous Threat	Wood tar is considered to be carcinogenic						

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Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Methol Plant, Hammond and Fish	Region	4	Site Code	2B	EPA ID#	None
HS Site Number	HS4027	County	Delaware	Was the site ever on the Registry?	U	Registry #	
Site Address	Hancock		13783	Owner			
Operator							
Site Description	Former wood chemical plant. Shipped acetate and methol						
Hazardous Substances Disposed	Wood tar, acetone, methanol, acetic acid, calcium acetate						
Describe Potential Hazardous Threat	Wood tar is considered to be carcinogenic						
Site Name	Miner Edgar Chemical Corp.	Region	4	Site Code	2B	EPA ID#	None
HS Site Number	HS4028	County	Delaware	Was the site ever on the Registry?	U	Registry #	
Site Address	Rock Rift			Owner			
Operator	Walton (T)		13856				
Site Description	Former wood chemical plant. It is now in or next to Cannonsville Reservoir. ("people driving by the site on Rt. 10 knew its location by their olfactory senses until the day Rock Rift was inundated by the Cannonsville Reservoir waters.")						
Hazardous Substances Disposed	Wood tar, acetone, methanol, acetic acid, calcium acetate						
Describe Potential Hazardous Threat	Wood tar is considered to be carcinogenic						
Site Name	Old Glenville Landfill	Region	4	Site Code	3A	EPA ID#	NYD980506646
HS Site Number	HS4030	County	Schenectady	Was the site ever on the Registry?	D	Registry #	447008
Site Address	Sunnyside Rd			Owner	Ida Pitrowski		
Operator	Glenville		12302		Town of Glenville		
Site Description	The site is an inactive municipal landfill. Approximately 30,000 tons of municipal refuse, alum sludge, and demolition debris was placed at the site utilizing a push and cover procedure. Owner contends that stone dust and not alum sludge was spread on the surface of the landfill.						
Hazardous Substances Disposed	Chromium, copper, iron, lead, mercury, nickel, zinc						
Describe Potential Hazardous Threat	There are major leachate outbreaks discharging directly from the landfill into Collins Creek. The landfill has never been properly closed. Clean-up activities are not known to have occurred nor are they known to be planned at this time.(02/87)						
Site Name	Old Greene Co. Landfill	Region	4	Site Code	3A	EPA ID#	None
HS Site Number	HS4031	County	Greene	Was the site ever on the Registry?	D	Registry #	420003
Site Address	Ross Roland Road			Owner	Lyle Patterson		
Operator	Cairo		12413		Greene County		
Site Description	This inactive site was used for 5 years. There is no indication of any hazardous wastes disposed here. However, when the site was operating there was a leachate problem which affected groundwater and Bell Brook. Numerous tests were conducted when the site was active.						
Hazardous Substances Disposed	Suspected hazardous substances associated with municipal waste						
Describe Potential Hazardous Threat	A leachate problem was affecting groundwater and Bell Brook.						
Site Name	Potic Mountain Dump	Region	4	Site Code	4	EPA ID#	None
HS Site Number	HS4032	County	Greene	Was the site ever on the Registry?	N	Registry #	N
Site Address	High Hill Rd			Owner	Matter Contracting Co. Inc.		
Operator	Coxsackie		12051		Joseph Fascinelli		
Site Description	A C&D site forced to shut down due to permit violations. Illegal dumping and incomplete closure procedures are alleged to have occurred onsite but data is often contradictory and unclear. Several fires have occurred onsite. The site is subject to ongoing litigation. It is unknown if final closure will be achieved.						
Hazardous Substances Disposed	C&D debris, putrescible wastes, tires, fuel tanks. Discrepancies in site log books suggest additional unreported wastes were disposed of onsite.						
Describe Potential Hazardous Threat	The depth to bedrock is a major concern- there are extensive outcroppings in the vicinity of the site. Fractures and cleavages in the rock become						

Active Hazardous Substances Waste Disposal Site Inventory

primary channels for leachate migration and contamination of the deeper bedrock aquifer. There are residents with bedrock wells in the vicinity of the site.

Site Name	Readburn Plant	Region	4	Site Code	2B	EPA ID#	None
HS Site Number	HS4033	County	Delaware	Was the site ever on the Registry?	U	Registry #	
Site Address				Owner			
	Hancock		13783	Operator			

Site Description

Former wood chemical plant. It is located at the intersection of Dry Brook, Read Creek and East Brook, 10 miles north of Hancock, NY.

Hazardous Substances Disposed

Wood tar, acetone, methanol, acetic acid, calcium acetate

Describe Potential Hazardous Threat

Wood tar is considered to be carcinogenic

Site Name	Republic Steel Corporation	Region	4	Site Code	1	EPA ID#	NYD980532444
HS Site Number	HS4034	County	Rensselaer	Was the site ever on the Registry?	N	Registry #	N
Site Address	Main Street			Owner	Republic Steel Corp.		
	Troy		12180	Operator	Republic Steel Corp.		

Site Description

Inactive industrial facility with building foundations, a few mounds of blast furnace clinker, & two piles of slag remaining. Coke oven wastes may have been disposed of on site. This site is in close proximity to the Portec Inc. and NiMo, Troy (Water Street) sites.

Hazardous Substances Disposed

chromium 7440-43-7, lead 7439-92-1, arsenic 7440-38-2, cyanide 57-12-5, copper 7440-50-8

Describe Potential Hazardous Threat

Hazards exist due to groundwater contamination, and possible surface water, and/or air contamination.

Site Name	Scotia Naval Depot	Region	4	Site Code	1A	EPA ID#	None
HS Site Number	HS4035	County	Schenectady	Was the site ever on the Registry?	Y	Registry #	447023
Site Address	Rt. 5			Owner	Galesi Group		
	Scotia		12302	Operator	Same		

Site Description

The navy repaired train engines at building #15 during and after world war II, until possibly the 1960's. TCE may have been released into the soil beneath building #15. The Galesi Group purchased that portion of land and leased it to Olevia Colons who illegally disposed of lead. TCE has been detected in both private wells and the public supply wells of Schenectady and Rotterdam, downgradient of the site.

Hazardous Substances Disposed

lead

Describe Potential Hazardous Threat

If the PSA that is scheduled to occur, proves that TCE was released to the soil below building #15, then we have quite possibly found the source of TCE contamination in the Rotterdam Water supply wells. TCE has been detected in both private wells and the public supply wells of Schenectady and Rotterdam, downgradient of the site.

Site Name	Shinhopple Plant	Region	4	Site Code	2B	EPA ID#	None
HS Site Number	HS4036	County	Delaware	Was the site ever on the Registry?	U	Registry #	
Site Address				Owner			
	Colchester			Operator			

Site Description

Former wood chemical plant

Hazardous Substances Disposed

Wood Tar, acetone, methanol, acetic acid, calcium acetate

Describe Potential Hazardous Threat

Wood tar is believed to be carcinogenic

SYL00115840

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Thomas Kerry Co.	Region	4	Site Code	2B	EPA ID#	None
HS Site Number	HS4037	County	Delaware	Was the site ever on the Registry?	U	Registry #	
Site Address	Hancock		13783	Owner		Operator	
Site Description	Former wood chemical plant						
Hazardous Substances Disposed	Wood tar, acetone, methanol, acetic acid, calcium acetate						
Describe Potential Hazardous Threat	Wood tar is considered to be a carcinogen.						
Site Name	Thomas Kerry Fish's Eddy Plant	Region	4	Site Code	2B	EPA ID#	None
HS Site Number	HS4038	County	Delaware	Was the site ever on the Registry?	U	Registry #	
Site Address	Hancock		13783	Owner		Operator	
Site Description	Former wood chemical plant located in town						
Hazardous Substances Disposed	Wood tar, acetone, methanol, acetic acid, calcium acetate						
Describe Potential Hazardous Threat	Wood tar is considered to be a carcinogen.						
Site Name	Unadilla Clifton Street	Region	4	Site Code	5	EPA ID#	None
HS Site Number	HS4040	County	Otsego	Was the site ever on the Registry?	N	Registry #	N
Site Address	Clifton St		13849	Owner	Town of Unadilla	Operator	Same
Site Description	Site was a vacant lot which the village was converting to a park/playground. During soil testing the engineer noticed creosote in a wetland area. The source is most likely either the railroad or the former Unadilla SiloCo both of which are adjacent. The engineer was advised to limit potential exposure or encourage biodegradation.						
Hazardous Substances Disposed	Creosote						
Describe Potential Hazardous Threat	Direct contact concerns						
Site Name	Peebles Island Landfill	Region	5	Site Code	3B	EPA ID#	NYD980507461
HS Site Number	HS5002	County	Saratoga	Was the site ever on the Registry?	N	Registry #	N
Site Address	U		12188	Owner	NYS Dept of Parks & Recreation	Operator	U
Site Description	A plant formerly owned by Cluett-Peabody, manufactured bleach on premises. The property is currently owned by the NYS Parks and Recreation Department and several buildings are occupied by their Office of Historic Preservation personnel. The site includes an unused powerhouse, and old landfill (10 acres), the old bleachery, and several ancillary buildings.						
Hazardous Substances Disposed	Sodium hydroxide (1310-73-2), sodium hypochlorite (10022-70-5), sulfuric acid paste, acetic acid (64-19-7)						
Describe Potential Hazardous Threat	Friable asbestos on the soil surface, within the bleachery and in the powerhouse, could become airborne and thus poses a threat to the on-site workers. Materials left by Cluett-Peabody (sodium hydroxide, sodium hyperchlorite, sulfuric acid paste and acetic acid) were removed in 1981 by the NYS Office of General Services Design and Construction.						
Site Name	Pontiac Bay	Region	5	Site Code	2A	EPA ID#	None
HS Site Number	HS5003	County	Essex	Was the site ever on the Registry?	N	Registry #	N
Site Address	Lake Flower Avenue		13340	Owner	New York State	Operator	not applicable
Site Description	This is a coal tar disposal site. The site is the sediments of Lake Flower in Pontiac Bay.						
Hazardous Substances Disposed	coal gasification waste						
Describe Potential Hazardous Threat	The contaminated sediment presents a threat to benthic organisms and for bioaccumulation in the food chain. Pontiac Bay is adjacent to the						

SYL00115841

Active Hazardous Substances Waste Disposal Site Inventory

public boat launch and an area used for swimming.

Site Name	Ten Eyck Sewage Disposal	Region	5	Site Code	1B	EPA ID#	NYD980535322
HS Site Number	HS5004	County	Saratoga	Was the site ever on the Registry?	D	Registry #	546020
Site Address	U			Owner	Robert Mulligan		
	Milton		12863	Operator	Terry Ten Eyck		

Site Description

Site was previously used for the surface impoundment of septic and industrial sludge. Industrial waste deposited at the site is from Cotrell Paper and consisted of paper sludges, blue denim sludges and caustic soda.

Hazardous Substances Disposed

SVOC's, heavy metals, VOC's, pesticides, naphthalene.

Describe Potential Hazardous Threat

Due to the inadequate containment of the wastes in an unlined lagoon, the potential for direct contact through unlocked gates is high. The site contains typical septage.

Site Name	Milligan and Higgins	Region	5	Site Code	1	EPA ID#	
HS Site Number	HS5005	County	Fulton	Was the site ever on the Registry?	N	Registry #	
Site Address	Maple Avenue			Owner	Milligan and Higgins		
	Johnstown		12095	Operator	Ronald Kormanek, President		

Site Description

The site is a glue and gelatin manufacturing site. It has a pond on site (currently drained due to the dam failing on 12/2/96) which receives its SPDES permitted cooling water discharge. Past practice was to stockpile chrome (blue) tanned leather scraps in large piles in the area behind the main building and the sewage pretreatment area. There are old foundations in the area behind the main building apparently that were used to pile the material on, but the area nearer the pond had piles of leather scraps directly on soil. There is a drainage area behind the building/foundation area that also receives run off from the site. The company has been in business since 1868. This particular site has been operating since 1910.

Hazardous Substances Disposed

Chromium and chrome tanning related constituents. The historic practice of stockpiling these leather scraps resulted in run-off to Maylender Creek (until approximately 1985), which drains into the Cayadutta. There was chromium contamination in the creek water as a result of this storage practice, as well as DO problems. Scrap material from chrome (blue) tanning operations are specifically excluded from the identification of hazardous waste as per 6NYCRR Part 371. While process operations at this facility have improved, most notably being the removal of scrap leather piles, the question remains as to what, if anything, needs to be done about the probable contaminated soil that resulted from the piles and their run-off from the past.

Describe Potential Hazardous Threat

Sedimentation into the ponded area and downstream via other drainage in back of the building. Direct contact or sedimentation after intrusive construction activities or unusual intrusive events (i.e. floods, dam failures, etc.) Health related concerns would be handling the material during construction activities, and any unrestricted use of the soil, if it is removed off site and it is used for backfill in residential settings.

Site Name	Boise Cascade Landfill #2	Region	6	Site Code	3B	EPA ID#	NYD088658604
HS Site Number	HS6001	County	Lewis	Was the site ever on the Registry?	N	Registry #	N
Site Address	5492 Bostwick Street			Owner	Specialty Paperboard, Inc.		
	Lowville		13367	Operator	U		

Site Description

From 1947-1957 650 to 700 gallons of solvents were burned weekly in an open pit on the site. An office building now exists on that area of the site. Currently the site is occupied by Pajco Products. Pajco Products stores the waste sludge up to 90 days and then has it hauled by a licensed hauler.

Hazardous Substances Disposed

Methanol, butyl acetate, toluene, xylene, color pigments

Describe Potential Hazardous Threat

Groundwater is sparsely used in this area. The potential for ground water contamination is low, because lower pit existed 16 to 40-years ago.

Site Name	Hurlburt Property	Region	6	Site Code	1B	EPA ID#	None
HS Site Number	HS6002	County	Oneida	Was the site ever on the Registry?	N	Registry #	N
Site Address	McKern Road			Owner	William Hurlburt		
	Floyd(New Rome)		U	Operator	U		

Site Description

The site consists of a series of irregularly shaped lagoons. Large berms have been constructed around the perimeters of the lagoons. The owner claims this particular site was used only for the disposal of septage and a drawing compound from Camden Wire. The owner says the site was closed in the spring of 1978 and that the equipment was sold in 1982.

SYL00115842

Active Hazardous Substances Waste Disposal Site Inventory

Hazardous Substances Disposed

acetone 2200 ug/kg, phenol 20,000 ug/kg, toluene 260 ug/kg, 2-butanone 170 ug/kg, bis(2-ethylhexyl)phthalate 27,000 ug/kg

Describe Potential Hazardous Threat

The owner has dumped soluble oil and HD-3 cleaner in a pit on the McKearn Road. The record also states that this pit has been used since 1944 for scavenger waste. Other chlorinated compounds may have been dumped.

Site Name	Keystone Wood Chemical Co.	Region	6	Site Code	2B	EPA ID#	None
HS Site Number	HS6003	County	Lewis	Was the site ever on the Registry?	U	Registry #	
Site Address				Owner			
	Martinsburg		13404	Operator			

Site Description

Former wood chemical plant - very large, but operated only briefly.

Hazardous Substances Disposed

Wood tar, acetone, methanol, acetic acid, calcium acetate

Describe Potential Hazardous Threat

Wood tar is considered to be carcinogenic

Site Name	Manchester Dump	Region	6	Site Code	3B	EPA ID#	None
HS Site Number	HS6004	County	Oneida	Was the site ever on the Registry?	N	Registry #	N
Site Address	Dopp Hill Rd			Owner	William Manchester		
	Western		13486	Operator	Same		

Site Description

Wastes from local industries and the Air Force were reportedly disposed at the site. In addition, there have been unsubstantiated allegations that transformers were dismantled at the facility.

Hazardous Substances Disposed

Trichloroethylene, 1,2 dichloroethene, trichlorofluoromethane, 1,2 dichloroethane

Describe Potential Hazardous Threat

The analysis of water samples revealed the presence of several solvents. The source of this contamination is unknown.

Site Name	Middleville Tannery Dump	Region	6	Site Code	3B	EPA ID#	NYD986895290
HS Site Number	HS6005	County	Herkimer	Was the site ever on the Registry?	N	Registry #	N
Site Address	Military Rd.			Owner	Ted & Jay Smith		
	Norway		13416	Operator	Ted & Jay Smith		

Site Description

The site previously was an open dump for the Middleville Tannery until the early 1960's or late 1950's. The site has no RCRA permit history. Unknown amounts of waste are buried on site. 20 or 30 rusted drums were observed on site.

Hazardous Substances Disposed

chromium

Describe Potential Hazardous Threat

There is no containment to prevent the migration of contaminants via groundwater, surface water, or air. The wastes were disposed of directly on the ground surface with no means of containment. The area is dependent on the groundwater from private wells and springs for potable water supplies.

Site Name	NOCO Landfill	Region	6	Site Code	3A	EPA ID#	None
HS Site Number	HS6006	County	Oneida	Was the site ever on the Registry?	N	Registry #	N
Site Address				Owner			
	Annsville			Operator	U		

Site Description

Site is an inactive landfill, surface water contamination with leachate has been documented. Groundwater contamination has impacted residential drinking water wells.

Hazardous Substances Disposed

hazardous substances associated with municipal waste

Describe Potential Hazardous Threat

Groundwater has been contaminated, several residential wells impacted. These were treated or replaced.

SYL00115843

Active Hazardous Substances Waste Disposal Site Inventory

Site Name Oneida County Airport	Region 6	Site Code 1B	EPA ID# NYD980534945
HS Site Number HS6009	County Oneida	Was the site ever on the Registry? D	Registry # 633003
Site Address Clear Rd		Owner Oneida County	
Whitestown	13424	Operator U	

Site Description

The site contains two inactive lagoons that received sewage from airport terminals. The lagoons also received other commercial/industrial wastes from airport facilities including metal plating and wire fabrication process wastes. Each lagoon covers 2.4 acres and situated adjacent to a marsh which flows into the Mohawk River. This site was referred to the Division of Solid Waste on 11/2/90.

Hazardous Substances Disposed

Metals, plating and wire fabrication wastes, sewage

Describe Potential Hazardous Threat

Groundwater, sediment, and surface water possibly contaminated

Site Name Sperry Univac (Ilion)	Region 6	Site Code 1A	EPA ID# NYD980532592
HS Site Number HS6011	County Herkimer	Was the site ever on the Registry? N	Registry # N
Site Address 7 Spruce Street		Owner Ilion Properties Inc.	
Ilion	13357	Operator Duford Corp.	

Site Description

Sperry Univac moved from this property ten years ago. An electroplating process took place at this plant and the public has full access to the site. Sampling was recommended.

Hazardous Substances Disposed

electroplating wastes, composition and disposal methods are unknown

Describe Potential Hazardous Threat

The site is located in a residential area, the significant concentrations of lead arsenic and antimony may pose a threat.

Site Name Binghamton Gas Co., Water St.	Region 7	Site Code 2A	EPA ID# None
HS Site Number HS7001	County Broome	Was the site ever on the Registry? N	Registry # N
Site Address 35 Water Street		Owner Unknown	
Binghamton, NY	13901	Operator Binghamton Gas Co.	

Site Description

The Water Street MGP site is located near the confluence of the Chenango and Susquehanna Rivers in the City of Binghamton. Sanborne Insurance maps, old business directories and City atlases indicate that the plant was operated for at least thirty years (1860's - 1890's) in the same location by the Binghamton Gas Company. At least two gas holders were present on-site during this time (a relief holder and a regular storage tank). A Phase II environmental audit was conducted at the site during 1993 by Dunn Geoscience; the consultant said that a hydrocarbon sheen was present on the water table, and an unregistered UST was found during test pitting - this tank was removed in 1991 under DEC supervision. It is unclear whether sampling for typical MGP wastes in site soils and groundwater was performed. BCHD walk-overs of the site during 1994 did not locate any exposed wastes; the site is currently occupied by paved parking lots, commercial buildings and vacant land.

Hazardous Substances Disposed

Coal gasification wastes (probably coal tar (polynuclear aromatics)), coal ash (heavy metals), reactive sulfides, reactive cyanides, caustics, phenolics, sulfates and light oils (BTEX).

Describe Potential Hazardous Threat

Coal gasification wastes usually contain polynuclear aromatic hydrocarbons, many of which are carcinogenic and only slowly biodegradable; other hazardous materials associated with the coal gasification process, such as reactive sulfides, were probably disposed here as well, as evidenced by the aforementioned water table contamination. MGP wastes can contain chemicals (naphthalenes, phenolics, cyanides, BTEX's, heavy metals) that are soluble and a threat to the local aquifer. The waste disposal site is not access controlled; the possible presence of surface and subsurface MGP wastes presents a direct contact risk to utility workers and others excavating site soils. An inhalation risk is possible if contaminated soil gases accumulate in overlying buildings. Runoff from the site may be contaminating local streams, and adversely affecting other environmental resources such as fish and wildlife. A comprehensive investigation should be conducted here to determine the magnitude of risk to human health and the environment.

Site Name Borden Plastics	Region 7	Site Code 2B	EPA ID# None
HS Site Number HS7002	County Chenango	Was the site ever on the Registry? U	Registry #
Site Address		Owner	
Bainbridge	13733	Operator	

Site Description

Former wood chemical plant - formaldehyde user

Hazardous Substances Disposed

Wood tar, acetone, methanol, acetic acid, calcium acetate

Describe Potential Hazardous Threat

Wood tar and formaldehyde pose a threat to the public and environment if located on site.

SYL00115844

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Brockway Motor Trucks	Region	7	Site Code	1	EPA ID#	NYD980203111
HS Site Number	HS7004	County	Cortland	Was the site ever on the Registry?	N	Registry #	N
Site Address	106 Cental Avenue Cortland		13045	Owner	Cortland County Indutrial Devl		
				Operator	Rubbermaid Inc.		

Site Description

The site was used as a truck assembly plant. It is currently leased to Rubbermaid Inc. to manufacture and distribute plastic products. There is an unknown number of drums in a fenced area.

Hazardous Substances Disposed

benzene (71-43-2), xylene (1330-20-7), methylene chloride (75-09-2), trichloroethane (71-55-6)

Describe Potential Hazardous Threat

A potential hazard exists to surface water, groundwater, and soil. The population in the area uses groundwater for drinking.

Site Name	Brookdale Chemical Company	Region	7	Site Code	2B	EPA ID#	None
HS Site Number	HS7005	County	Broome	Was the site ever on the Registry?	U	Registry #	
Site Address	Corbettsville Conklin		13748	Owner			
				Operator			

Site Description

Former wood chemical plant

Hazardous Substances Disposed

Wood tar, acetone, methanol, acetic acid, calcium acetate

Describe Potential Hazardous Threat

Wood tar is considered to be carcinogenic

Site Name	Burton Junkyard Site	Region	7	Site Code	5-junkyard	EPA ID#	NYD981185226
HS Site Number	HS7006	County	Oswego	Was the site ever on the Registry?	D	Registry #	738024
Site Address	Route 35 Palermo (V)		13132	Owner	Quenton Burton		
				Operator	U		

Site Description

An active automobile salvage operation. The site accepted drained PCB electrical transformers.

Hazardous Substances Disposed

pesticides, transformer oil

Describe Potential Hazardous Threat

A NYSDEC wetland (NH-1) is located 600ft. from the site. Private residences in the area use groundwater for drinking water supply. The closest well is 300ft. from the site.

Site Name	Chenango County Landfill	Region	7	Site Code	3A	EPA ID#	NYD980532451
HS Site Number	HS7007	County	Chenango	Was the site ever on the Registry?	N	Registry #	N
Site Address	East River Road Norwich		13815	Owner	Francis Horstman		
				Operator	Chenago County Landfill		

Site Description

The Chenango County Landfill was operated as an "open burn site" from 1941 until 1954. The landfill has always been privately owned. Trash has been seen eroding from the side of the landfill.

Hazardous Substances Disposed

saccharin 81-07-2, phenylmercuric acetate 62-38-4, Phenanthrene 85-01-8, anthracene 120-12-7, fluoranthene 206-44-0, Pyrene 129-00-0, benzo(a)anthracene 56-55-3, bis(2-ethylhexyl)phthalate 117-81-7, chrysene 218-01-9, benzo(b)fluoranthrene 205-99-2, benzo(k)fluoranthrene 207-08-9, benzo(a)pyrene 50-32-8, indeno(1,2,3-cd)pyrene 193-39-5, benzo(g,h,i)perylene 191-24-2, acenaphthylene 82-32-9, endosulfan I 959-98-8, 4,4'-DDE 72-59-2, endosulfan II 33213-65-9, methylene chloride 75-09-2, chloroform 7-66-3, toluene 108-88-3, 2-chloropheno 195-57-8, benzoic acid 65-85-0, 4-chloro-3-methylpheno 159-50-7, arsenic 7440-38-2, calcium 7440-70-2, cobalt 7440-48-4, magnesium 7439-95-4, barium 18810-58-7, cadmium 7440-43-9, iron 999, nickel 7440-02-0, zinc 999

Describe Potential Hazardous Threat

Site characteristics such as steep slope, permeable soils, proximity to surface water and high water table indicate the potential for waste migration through the groundwater and surface water routes is great.

SYL00115845

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	DOT Splitrock Road Site	Region	7	Site Code	1B	EPA ID#	NYD986882652
HS Site Number	HS7008	County	Onondaga	Was the site ever on the Registry?	D	Registry #	734028
Site Address	Onondaga Blvd. Onondaga (T)		13209	Owner	NYSOGS	Operator	U

Site Description

The site was a limestone quarry from 1882 to 1911. TNT was manufactured at the site during WWI and more recently pesticides, toluene and waste paint were stored on site. Geology on the area is karst. There is documentation of explosions during the time of TNT manufacturing. This site was referred to the Division of Solid Waste on 6/28/91.

Hazardous Substances Disposed

VOC and semi-VOC contamination

Describe Potential Hazardous Threat

Nearby homes have wells as only available water supply. The potential to contaminate groundwater, as well as the potential for runoff to contaminate a pond at the head of Geddes Brook both exist. Lead contamination - apparently from shooting practice.

Site Name	DeWitt Fish and Game Club	Region	7	Site Code	5-leadshot	EPA ID#	U
HS Site Number	HS7009	County	Onondaga	Was the site ever on the Registry?	U	Registry #	U
Site Address	Woodchuck Hill Road DeWitt		13214	Owner	U	Operator	U

Site Description

Attorney Neil Gingold has apparently given notice to DEC on his intent to sue and file a citizen suit relating to lead contamination.

Hazardous Substances Disposed

Lead

Describe Potential Hazardous Threat

Unknown

Site Name	Hastings Town Dump	Region	7	Site Code	3A	EPA ID#	None
HS Site Number	HS7010	County	Oswego	Was the site ever on the Registry?	N	Registry #	N
Site Address	Shanty Creek Road Hastings		13076	Owner	U	Operator	U

Site Description

Site is an abandoned landfill, improperly closed. There are old fuel tanks left on site. There is an area on the site where tar has been disposed of.

Hazardous Substances Disposed

Tar, potentially VOC's.

Describe Potential Hazardous Threat

Tars are exposed at surface, site is not fenced, there are residences nearby.

Site Name	Murtaugh Landfill	Region	7	Site Code	3B	EPA ID#	None
HS Site Number	HS7011	County	Oswego	Was the site ever on the Registry?	N	Registry #	N
Site Address	Hogsback Road Hastings		13076	Owner	U	Operator	U

Site Description

Automobile Fluff. Automobile fluff often contains heavy metals and/or PCB's. There is a leachate seep east of the site. Soil is stained and odors are apparent.

Hazardous Substances Disposed

Suspected heavy metals and/or PCB's

Describe Potential Hazardous Threat

Site is uncontrolled. Waste/leachate is exposed. Potential for heavy metals and/or PCB's to be present in automobile fluff.

Site Name	NYSEG, Johnson City	Region	7	Site Code	2A	EPA ID#	U
HS Site Number	HS7013	County	Broome	Was the site ever on the Registry?	N	Registry #	N
Site Address	Reynolds Road Johnson City		13790	Owner	NYSEG	Operator	Columbia Gas Co.

Site Description

The site is an approximately 10 acre vegetated parcel located south of the NYSEG Johnson City Propane Plant. The site was never operated as a MGP, but was used for the one-time disposal of MGP residues generated during demolition of the Binghamton, Court St. Gas holder in 1969. Residues were spread on portions of the site and disked into the upper 12 to 18 inches of soil. The site is partially occupied by a series of liquefied petroleum gas tanks; the remainder of the parcel is open, unfenced land. This facility was owned and operated by the Columbia Gas Co. During the 1960's, when an unknown but potentially large amount of coal gasification wastes were moved here from a manufactured gas plant site in Binghamton. The site was taken over by the New York State Electric and Gas Corp. in 1991. Houses south of the site are on public water; other nearby residences obtain their drinking water from private wells.

Active Hazardous Substances Waste Disposal Site Inventory

Hazardous Substances Disposed

Coal gasification wastes

Describe Potential Hazardous Threat

Coal gasification wastes usually contain polynuclear aromatic hydrocarbons, many of which are carcinogenic and only slowly biodegradable; it is unclear whether other hazardous materials associated with the coal gasification process, such as reactive sulfides, were disposed here as well. MGP wastes can contain chemicals such as naphthalenes, phenolics, cyanides, BTEX's, heavy metals. The waste disposal site is not access controlled; the presence of MGP wastes in surface soils presents a direct contact risk to residents of the area. Runoff from the site may be contaminating local streams, and adversely affecting other environmental resources such as fish and wildlife. A comprehensive investigation should be conducted here to determine the magnitude of risk to human health and the environment.

Site Name	Neil Guiles Property	Region	7	Site Code	1B	EPA ID#	NYD057766073
HS Site Number	HS7014	County	Broome	Was the site ever on the Registry?	D	Registry #	704006
Site Address	Foster Road			Owner	Neil Guiles Excavating & Pavin		
	Vestal (T)		13850	Operator	U		

Site Description

This site was used for the landspreading of sewage sludge from the Binghamton/Johnson City wastewater treatment plant. Sludge was applied to about 63 acres of farmland and stored in two on-site lagoons.

Hazardous Substances Disposed

sewage sludge containing PCBs and metals

Describe Potential Hazardous Threat

Portions of the site are being developed for residential use. Groundwater is used for drinking by nearby residents. Metals and PCBs could leach through soil to aquifer.

Site Name	Northeastern Steel	Region	7	Site Code	1B	EPA ID#	None
HS Site Number	HS7015	County	Oswego	Was the site ever on the Registry?	D	Registry #	738032
Site Address	Rte 13			Owner	Carl Bice		
	Altmar		13302	Operator	U		

Site Description

Fluorescent lighting ballasts were burned in a small wood stove, then the ash was dumped over a bank behind the main building. The site is a small scrap metal recycling operation in a rural area. This site was referred to the Division of Solid Waste on 6/17/92.

Hazardous Substances Disposed

PCB, oil, burned ash

Describe Potential Hazardous Threat

A large swamp is located behind the property. Potential of direct contact with wastes

Site Name	Osbeck Farm	Region	7	Site Code	3B	EPA ID#	None
HS Site Number	HS7016	County	Cortland	Was the site ever on the Registry?	N	Registry #	N
Site Address	Rte 13 and 38			Owner			
	Cortlandville		13045	Operator	U		

Site Description

Barrels of waste suspected to have been disposed of and buried.

Hazardous Substances Disposed

Suspected hazardous substances associated with barrel disposal

Describe Potential Hazardous Threat

Potential aquifer contamination, which needs investigation.

Site Name	Pall Trinity Micro	Region	7	Site Code	1	EPA ID#	NYD002043396
HS Site Number	HS7017	County	Cortland	Was the site ever on the Registry?	D	Registry #	712008
Site Address	Route 281			Owner	Pall Trinity Micro Corp		
	Cortlandville		13045	Operator	U		

Site Description

An active industrial facility which used 1,1,1-TCA in its processes. Inspection reports from as early as 1963 indicated disposal of "industrial wastes" to leach pits.

Hazardous Substances Disposed

Circumstantial evidence indicates disposal of 1,1,1-Trichloroethane

Describe Potential Hazardous Threat

Private water supplies have been contaminated with 1,1,1-TCA. Public water has been made available. Levels of contaminants have attenuated over the years, but are still impacting the aquifer. Other VOC's are onsite from the SCM Cortlandville site.

SYL00115847

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Pierce's Auto Parts	Region	7	Site Code	5	EPA ID#	None
HS Site Number	HS7018	County	Madison	Was the site ever on the Registry?	N	Registry #	N
Site Address	Route 20			Owner	Robert Pierce		
				Operator	Same		
Site Description							
Site is currently an auto scrapyard. The property was used as a salvage yard and transformers were dismantled and PCB oils were spilled.							
Hazardous Substances Disposed							
suspected PCB's							
Describe Potential Hazardous Threat							
Residents are located immediately adjacent to the site.							
Site Name	Potter Paint Company Inc.	Region	7	Site Code	1B	EPA ID#	NYD00228682
HS Site Number	HS7019	County	Cortland	Was the site ever on the Registry?	N	Registry #	N
Site Address	24 Crawford Street			Owner	Peter A. Potter		
	Cortland		13045	Operator	U		
Site Description							
Potter Paint Company began its industrial paint production and solvent blending operation in 1945. They had 20 underground feedstock storage tanks. In 1988 there were plans to convert to above ground, storage in 55 gallon drums.							
Hazardous Substances Disposed							
chlordan, lead, barium, chromium, selenium, cadmium							
polycyclic aromatic hydrocarbons-high concentrations of PAH's were found in soil samples collected on site							
Describe Potential Hazardous Threat							
Drums were reported stored outside on the ground and on paved areas. The area has residential developments on the same block, and there is much groundwater use in Cortland. Should any contaminants leak or spill they could affect local water supply.							
Site Name	Re-Ho-Both Enterprises	Region	7	Site Code	3B	EPA ID#	None
HS Site Number	HS7020	County	Cayuga	Was the site ever on the Registry?	N	Registry #	N
Site Address	Townline Rd.			Owner	U		
	Aurelius			Operator	U		
Site Description							
Based on a 1979 study by the Cayuga County Health Department entitled "Inactive Waste Disposal Sites", this site may be in a small abandoned quarry on the north side of the road that shows on the 1954 topo map and 1963 aerial photo. Anonymous source claims that the drums were stacked and buried in old quarry at about this location. This is not the same site as Town Line Road Dump (#706007, Class 2a). The Re-Ho-Both Enterprises site is approximately 1000 - 5000 ft Northeast of Town Line Road Dump, on the northern side of the road, rather than the south.							
Hazardous Substances Disposed							
Suspected hazardous substances from bulk rubbish from Climate Control and Dunn & McCarthy (paper burned) and sand and plastic chips from General Products							
Describe Potential Hazardous Threat							
Contents of drums unknown. Site may be in old quarry with standing water which drains into Yawgers Creek into Cayuga Lake.							
Site Name	Rynone Industries	Region	7	Site Code	1B	EPA ID#	None
HS Site Number	HS7021	County	Tioga	Was the site ever on the Registry?	D	Registry #	754004
Site Address	U			Owner	Rynone Container Corporation		
	Barton (T)		13737	Operator	U		
Site Description							
This site is an abandoned structure and lands. Assorted drums are scattered inside and outside the structure. Some are buried, others are not.							
Hazardous Substances Disposed							
lacquer thinner, MEK (78-93-3), peroxide, solidified polyester resin							
Describe Potential Hazardous Threat							
The site is adjacent to a residential area and a school. The potential threat of direct contact with contaminated soils as well as that for groundwater contamination from leaking drums pose a threat to public health.							

SYL00115848

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Six Town Landfill	Region	7	Site Code	3A	EPA ID#	NYD982181125
HS Site Number	HS7022	County	Tioga	Was the site ever on the Registry?	D	Registry #	754003
Site Address	Paxton Lane Candor		13743	Owner	Leonard Paxton		
				Operator	Towns		
Site Description							
The site was leased to the towns of Owego, Candor, Tioga, Berkshire, Richford, and Newark Valley. The towns utilized the landfill for municipal waste and sewage sludge disposal.							
Hazardous Substances Disposed							
sludges, pesticides, methylene chloride, benzoic acid, acetone solvents, carbon disulfide							
Describe Potential Hazardous Threat							
Site is situated above a sole source aquifer. A perennial lagoon is located on site. A tributary to Owego Creek is 500 feet from the site.							
Site Name	Turf Tailors	Region	7	Site Code	1A	EPA ID#	NYD085158855
HS Site Number	HS7023	County	Onondaga	Was the site ever on the Registry?	D	Registry #	734038
Site Address	110 Clinton St Fayetteville		13066	Owner	David Klipp		
				Operator	Same		
Site Description							
Landscaping and lawn care company with a history of improper disposal of pesticides and chemicals. Under criminal investigation for illegal disposal of pesticides from storage tanks.							
Hazardous Substances Disposed							
chlordan, DDT, Heptachlor Epoxide, silvex, 2,4,D Lindane							
Describe Potential Hazardous Threat							
Waste was dumped in marshy area near Limestone Creek.							
Site Name	U.S. Army Reserve Center	Region	7	Site Code	1	EPA ID#	NY1210094115
HS Site Number	HS7024	County	Onondaga	Was the site ever on the Registry?	N	Registry #	N
Site Address	6675 Pickard Ave. Mattydale		13211	Owner	K. Steven Parmelee		
				Operator	Vacant		
Site Description							
Information contained in reports about this site was contradictory. The ownership of the property was variant, as was the quantity and types of waste disposed.							
Hazardous Substances Disposed							
waste oil, antifreeze							
Describe Potential Hazardous Threat							
If leaking has occurred the surface water, groundwater, and soil contamination could be harmed.							
Site Name	Agway - Knowlesville	Region	8	Site Code	5-herbicid	EPA ID#	None
HS Site Number	HS8001	County	Orleans	Was the site ever on the Registry?	N	Registry #	
Site Address	Route 31 Ridgeway		14103	Owner			
				Operator			
Site Description							
An Agway plant at which empty cans, oily materials, spilled produce and pesticide tankers were found. Obvious intentional and accidental spillage was detected.							
Hazardous Substances Disposed							
Herbicides							
Describe Potential Hazardous Threat							
Very sloppy operation. Wash water was getting into a nearby ditch.							
Site Name	Agway Fertilizer Plant	Region	8	Site Code	1B	EPA ID#	NYD980528202
HS Site Number	HS8002	County	Chemung	Was the site ever on the Registry?	D	Registry #	808010
Site Address	Hammond Street Big Flats		14814	Owner	Agway, Inc. , ATT: R. Clarke		
				Operator	U		
Site Description							
This site consists of an inactive lagoon and an inactive "over the bank" disposal dump. It was inspected in May of 1983 and wet area at the base of the bankfill with extensive algae growth was noted. Pesticide bags were also noted lying outside and exposed to the weather. The site has been delisted due to an absence of hazardous waste disposal documentation. This site was referred to the Division of Water on 2/18/92.							

SYL00115849

Active Hazardous Substances Waste Disposal Site Inventory

Hazardous Substances Disposed

dieldrin (60 -57-1), nitrate

Describe Potential Hazardous Threat

There has been a contravention of standards for both groundwater and surface water. The groundwater beneath this site is contaminated by nitrates and dieldrin in exceedence of the standards. The contaminants appear to be agricultural and home use related. Residents are now using a public water supply.

Site Name	Big Flats/Oldies But Goodies	Region	8	Site Code	1B	EPA ID#	None
HS Site Number	HS8003	County	Chemung	Was the site ever on the Registry?	N	Registry #	808024
Site Address	Carpenter Road			Owner	Mr. William Mullin		
	Big Flats		14903	Operator	Mr. William Mullin		

Site Description

In the past, Oldies But Goodies, a furniture stripping operation, used solvents including methylene chloride as part of their operation. Samples collected from on-site and one off-site well indicated the presence of methylene chloride. In addition, dichloroethene(DCE), trichloroethene(TCE) and other solvents were found in off-site private wells.

Hazardous Substances Disposed

Methylene chloride (75-09-2), 1,2 dichloroethene (107-06-2), trichloroethene 979-01-6), toluene (108-88-3), tetrachloroethene (127-18-4)

Describe Potential Hazardous Threat

Groundwater contamination of drinking water wells above standards has been documented.

Site Name	Brighton Town Landfill	Region	8	Site Code	4	EPA ID#	NYD980762710
HS Site Number	HS8004	County	Monroe	Was the site ever on the Registry?	D	Registry #	828031
Site Address	Browncroft Blvd.			Owner	Town of Brighton		
	Brighton		14610	Operator	Same		

Site Description

The site is located over the Ironrogenesee aquifer. The Town of Brighton currently operates a C&D landfill within the boundries of the inactive municipal landfill, but disposal does not take place within the footprint of the former MSW landfill. Soils from an area near to the former Scobell Chemical Co. were excavated and disposed at the C&D site. Wastewater treatment sludges and boiler slag were reportedly disposed of on site.

Hazardous Substances Disposed

Metals, toluene, other hazardous substances associated with C&D waste

Describe Potential Hazardous Threat

The fill area has not been properly covered and leachate from the fill area may be contaminating surface soils and possibly Irondequoit Creek. Since the investigation stating the above, the fill area has received 2'+ of cover material. The Phase 2 Investigation documents releases of metals and organic compounds to the SubSoil, groundwater, and sediments; and releases of metals to surface waters.

Site Name	Claude Pulver Landfill	Region	8	Site Code	3B	EPA ID#	NYD980507974
HS Site Number	HS8005	County	Yates	Was the site ever on the Registry?	D	Registry #	862002
Site Address	Dundee-Starkey Rd.			Owner	Claude Pulver		
	Starkey		14837	Operator	U		

Site Description

An inactive landfill, with a wire fence along the southern edge of the property, contains food processing and machine shop wastes. Mostly empty drums were seen during an inspection by DEC in 10/81. The site was delisted in 1979.

Hazardous Substances Disposed

Metals, food processing wastes. machine shop wastes

Describe Potential Hazardous Threat

Potential exists for the contamination of the municipal wells of Starkey and Dundee.

Site Name	Conrail Rail Yards	Region	8	Site Code	1A	EPA ID#	None
HS Site Number	HS8007	County	Monroe	Was the site ever on the Registry?	N	Registry #	N
Site Address	400 N. Goodman St			Owner	Conrail		
	Rochester		14609	Operator	U		

Site Description

Railroad yard - Conrail/New York Central

Hazardous Substances Disposed

11-27-76 train collision- 20,000 gal acetone release, 2-24-84 locomotive leakage- 1500-2000 gal #2, 3-14-90 ruptured containers- 30 gal xylene (tractor trailer on rail car), 5-1-86- documentation fuel spillage- engine fueling area

Describe Potential Hazardous Threat

Divison of Water or DSM has files of the 20,000 gal acetone spill.

SYL00115850

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Corning Incorporated	Region	8	Site Code	3B	EPA ID#	NYD041290198
HS Site Number	HS8008	County	Steuben	Was the site ever on the Registry?	N	Registry #	N
Site Address	Sullivan Park Corning, NY		14831	Owner	Corning Incorporated		
				Operator	Same		
Site Description							
Waste disposal from the facility only occurred between 1965 -1970. The site is an industrial complex (4 buildings) at the top of a hill. The disposal area was to the west of the development building. Laboratory wastes including oils, acid residuals, and silicon tetrochloride were disposed of here in containers of various sizes, not exceeding 5 gallons. A State Game Management Area is located .2 miles west of the facility.							
Hazardous Substances Disposed							
acid residuals, silicon tetrachloride							
Describe Potential Hazardous Threat							
Potential contamination of municipal wells located 1 mile from the site.							
Site Name	Doehler-Jarvis Castings	Region	8	Site Code	1B	EPA ID#	NYD074021171
HS Site Number	HS8009	County	Genesee	Was the site ever on the Registry?	N	Registry #	N
Site Address	61 Mill Street Batavia		14020	Owner	Genesee Co. Ind. Develop. Agen		
				Operator	U		
Site Description							
Two waste oil and wastewater separation lagoons were constructed at the Doehler-Jarvis Site between 1967 and 1976. They were located at the southwest portion of the site. Waste stream materials (metals used in the casting process and various solvents and degreasing agents) exited the building via pipes. The waste materials were separated into upper and lower zones with the use of physical boom, and then discharged through outfall pipes into Tonawanda Creek. During several exceptionally cold periods, pipes cracked and wastes spilled onto the ground. The waste oil separator did not function at peak efficiency. Although the lagoons were closed and filled, it is unknown whether the closure process was approved. Please note, this is not the same site as #819011, a D2 site. An investigation was conducted in 1995. Investigation of the lagoons found no apparent contamination. TCE levels in groundwater were lower than the levels found by EPA in 1991. (85 ppm max.). A tank or tunnel was drilled into during the investigation and liquid contents were found to contain 841 ppb total (mostly non-chlorinated) VOC's.							
Hazardous Substances Disposed							
Cadmium 7440-43-9, Benzene 71-43-2, Chlorobenzene 108-90-7, Chromium 7440-47-3, Copper 7440-50-8, 1,1-Dichloroethene 75-35-4, Lead 7439-92-1, 1,1,1-Trichloroethene 71-55-6, Magnesium, Trichloroethene 79-01-06, Zinc 7440-66-6, Toluene 108-88-3, 2-Butanone 78-93-3							
Describe Potential Hazardous Threat							
Proximity of nearby residences to site pose a concern for potential human exposure by direct contact to contaminants in soil and sediment. Also, potential human exposure to contaminants in groundwater is possible as the nearest well is 900 feet from the disposal area and the nearest public water supply well is less than a mile from the site.							
Site Name	East Rochester Fill Area	Region	8	Site Code	3A	EPA ID#	None
HS Site Number	HS8010	County	Monroe	Was the site ever on the Registry?	N	Registry #	
Site Address	N. Washington Street East Rochester		14445	Owner	Multiple Owners		
				Operator	Village of East Rochester		
Site Description							
Significant quantities of heavy leachate observed entering an adjacent creek. Leachate sampling is required to see what hazardous constituents might be present. There is exposed refuse along southern edge of landfill.							
Hazardous Substances Disposed							
Suspected hazardous substances associated with municipal waste							
Describe Potential Hazardous Threat							
Site Name	East West Bloomfield	Region	8	Site Code	3A	EPA ID#	NYD980762769
HS Site Number	HS8011	County	Ontario	Was the site ever on the Registry?	D	Registry #	835001
Site Address	Sand Hill Road West Bloomfield		14585	Owner	Town of West Bloomfield		
				Operator	U		
Site Description							
This former municipal landfill, operated from 1972 to 1981 for the local residents and businesses from the Town of East Bloomfield and West Bloomfield. This landfill is located in a rural area on Sand Road three miles west of East Bloomfield, and 3/4 miles south of Route 20. Approximately 12' of fill overlies the glacially-derived clay. Crosman Air Guns, Inc. disposed approximately 4000 drums (55 gallons) of metal sludge from their industrial wastewater treatment process utilized at the Crosman Plant from 1974-1981. Crosman received a RCRA exemption from the USEPA.							
Hazardous Substances Disposed							
Metal sludge and othe hazardous substances associated with municipal wastes							
Describe Potential Hazardous Threat							
Home-owners well potentially threatened, direct contact possible from leachate (lead 54 ppb, magnesium 873000 ppb).							

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Erie Canal Industrial Park B2	Region	8	Site Code	1B	EPA ID#	None
HS Site Number	HS8012	County	Monroe	Was the site ever on the Registry?	N	Registry #	N
Site Address	Smith and Oak Streets Rochester		14608	Owner	City of Rochester	Operator	City of Rochester
Site Description							
A parcel of undeveloped industrial park land in the City of Rochester. Only the portion known as Block 2 is contaminated with hazardous substances. Historical records indicate that this area was used for industrial purposes over many years. A section of the old Erie Canal which is now filled in, runs through this property from the SE to the NW. The canal section was back filled with crushed stone in the 1980's. There were two auto salvage yards on site. A voluntary cleanup agreement is under negotiation.							
Hazardous Substances Disposed							
Lead (7439-92-1), ethylbenzene (100-41-4), PCB's (11097-69-1), toluene (108-88-3), 1,1,1 trichloroethane							
Describe Potential Hazardous Threat							
Trespassers frequently use the property as a shortcut to Oak Street increasing the potential for the public to be exposed to contaminants through contact or inhalation. Additionally, utility workers performing subsurface work could be exposed to contaminants through inhalation or direct contact. The City of Rochester does not use groundwater as a source of drinking water.							
Site Name	Ex-Eaton Corp. Const. Div.	Region	8	Site Code	1A	EPA ID#	NYD980654404
HS Site Number	HS8013	County	Genesee	Was the site ever on the Registry?	N	Registry #	N
Site Address	1 Trojan Circle Batavia		14020	Owner	O&K Trojan Const. & Mining Equ	Operator	Same
Site Description							
An oil spill was observed between two tanks reportedly containing hydraulic oil. The volume of the two tanks combined is 7000 gallons. The stained soil covers an area 5' by 8', and is currently covered with gravel. Waste areas on site are the former drum storage area, the new drum storage area, and the stained soils. The facility previously converted farm tractors to graders, and now manufactures front end loaders. The facility generates 10-12 drums of 1,1,1-trichloroethane and xylene waste combined per year, along with 52 drums of solid waste paint per year.							
Hazardous Substances Disposed							
4,4 DDT, 4,4 DDD, chromium, copper, lead, nickel, zinc, beta-BHC, endosulfan 1, 4,4 DDE, endosulfan sulfate, methoxychlor, dieldrin, endrin, ketone, bis(2-ethylhexyl)phthalate, PAH's							
Describe Potential Hazardous Threat							
Notable concentrations of heavy metals were detected in soil samples taken on site. Potential exists for groundwater and surface water contamination. Groundwater serves 20,500 people in the area. No clean up actions have been made on site.							
Site Name	Former Canandaigua MGP Site	Region	8	Site Code	2A	EPA ID#	NYD980531339
HS Site Number	HS8014	County	Ontario	Was the site ever on the Registry?	U	Registry #	U
Site Address	S. Main St Canandaigua		14424	Owner	U	Operator	U
Site Description							
No information available. NYSEG says that it does not own and is not responsible for this site.							
Hazardous Substances Disposed							
Suspected coal tar wastes							
Describe Potential Hazardous Threat							
Site Name	Gates Dump @ Hinchey Road	Region	8	Site Code	3A	EPA ID#	NYD986994408
HS Site Number	HS8016	County	Monroe	Was the site ever on the Registry?	D	Registry #	828047
Site Address	North of Chili Rd. and Hinchey Gates		14624	Owner	Conifer Reality Inc.	Operator	Same
Site Description							
Operated by City of Rochester as municipal waste dump from 1930-1939. Residential and commercial development of site began in 1950's. NYS Route 47 (Route 390) was constructed over northeast portion of site in 1960. NYSDOT excavated 124000 cubic yards of ash and fill and disposed of it east of the site. This site was referred to the Division of Solid Waste on 10/19/92. Levels of PAH's in subsurface soil exceed values in TAGM 94-4046. USEPA health based criteria are exceeded for several PAH's in subsurface soils.							
Hazardous Substances Disposed							
Suspected hazardous substances associated with "municipal" waste from the 1930's							
Describe Potential Hazardous Threat							
An apartment complex exists on site. Direct contact scores high on HRS. High lead in soils. Groundwater appears not to be used in immediate area.							

SYL00115852

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Genesee Sand and Gravel	Region	8	Site Code	3A	EPA ID#	NYD013384219
HS Site Number	HS8017	County	Ontario	Was the site ever on the Registry?	D	Registry #	835005
Site Address	748 Phillips Road			Owner	William Schaefer		
	Victor		14564	Operator	U		

Site Description

A former sand and gravel quarry which was used for a sanitary landfill. This site was referred to the Division of Solid Waste on 2/19/93.

Hazardous Substances Disposed

Waste paint and flammable liquids

Describe Potential Hazardous Threat

Several residences in the hamlet of Fisher's NY, use groundwater within 1 mile downgradient of the site.

Site Name	Geneva Landfill	Region	8	Site Code	3A	EPA ID#	NYD981560816
HS Site Number	HS8018	County	Ontario	Was the site ever on the Registry?	D	Registry #	835002
Site Address	Preemption Rd			Owner	Seneca Meadows, Inc.		
	Geneva		14456	Operator	U		

Site Description

Farm land is north and south; woods and light brush in eastern section. Drainage from site is generally to south, ultimately into Seneca Lake. A NYS Superfund Phase I investigation and Phase II investigation have been completed. Neither study indicated hazardous waste disposal. The site was referred to DSW on 12/10/91.

Hazardous Substances Disposed

1,2 Dichloroethene, Chromium, Aluminum, Cobalt, Calcium, Copper, Iron, Manganese, Lead, Zinc, Magnesium, Carbon Disulfide

Describe Potential Hazardous Threat

Possible contamination of groundwater and surface water. Several nearby residences use the water and are at a potential risk due to the contaminants in the aquifer. Groundwater contaminants may not correspond to hazardous substance disposal.

Site Name	Gordon Gardner	Region	8	Site Code	3A	EPA ID#	NYD000511691
HS Site Number	HS8019	County	Chemung	Was the site ever on the Registry?	D	Registry #	808002
Site Address	Rte 352			Owner	Gordon Gardner		
	Big Flats		14814	Operator	Same		

Site Description

The site is a landfill which accepted scavenger waste and CaF sludges until 1972. Cessation of disposal was required due to proximity of site to Chemung River (Class A) and its identification as a floodplain.

Hazardous Substances Disposed

CaF sludges, phosphates, hydroxides, sulfides from Westinghouse, lead phosphate, cadmium

Describe Potential Hazardous Threat

Site is located 1000 feet from the Chemung River (Class A). The area is a floodplain. Potential to contaminate groundwater.

Site Name	Greece Landfill-Flynn Road LF	Region	8	Site Code	3A	EPA ID#	NYD980762553
HS Site Number	HS8021	County	Monroe	Was the site ever on the Registry?	D	Registry #	828029
Site Address	Flynn Road			Owner	Town of Greece		
	Greece		14626	Operator	Town of Greece		

Site Description

Inactive landfill operated for 30 years receiving mainly municipal and commercial wastes. A mountain of waste was built on the flood plain and wetlands of Northrup Creek. Site was allegedly used by Eastman Kodak until the early 1960's. Letter from the Town of Greece states that none of the employees (some have been there over 35 years) recollect Kodak ever using the site. The Town has hired a consultant to evaluate the site and recommend a remedial plan of action.

Hazardous Substances Disposed

Metals, municipal waste

Describe Potential Hazardous Threat

The dump is unlined, leachate outbreaks impact Northrup Creek and Long Pond, contamination of groundwater has occurred.

SYL00115853

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Hilferty Barn	Region	8	Site Code	1A	EPA ID#	New
HS Site Number	HS8022	County	Steuben	Was the site ever on the Registry?	N	Registry #	851005
Site Address	Steuben County Road 101 Woodhull		14562	Owner	Hugh Hilferty	Operator	Same
Site Description The site consists of two old barns. 45 full drums were stored in the lower level of the large hay storage barn. 41 full drums were removed from the site. 4 drums are suspected to have spilled on the ground. One drum is emitting organic vapors. The site was remediated, but needs confirmatory sampling of the soils.							
Hazardous Substances Disposed acetone (67-64-1), benzol (71-43-2), ethyl ether (60-29-7)							
Describe Potential Hazardous Threat A potential fire hazard exists due to the flammability of the chemical vapors. Soil may be contaminated due to the suspected spilling of 4 leaking drums. The nearest drinking water intake is within 2500 ft of the site.							
Site Name	Horan Rd. Landfill	Region	8	Site Code	3A	EPA ID#	NYD981185242
HS Site Number	HS8023	County	Orleans	Was the site ever on the Registry?	Y	Registry #	837005
Site Address	Horan Rd Medina		14103	Owner	Village of Medina	Operator	Same
Site Description This site was recently reclassified from a 2a to a delisted site. Prior to landfilling the site was a sandstone quarry operation that had exposed bedrock. Municipal garbage, demolition debris, landscaping debris, spent foundry sand, baghouse dust, and municipal waste treatment sludge were all buried on site. 4 unmarked drums were found on site, during a site inspection. The NYSDEC cited the landfill for inadequate cover, unapproved waste disposal, refuse placement in water, and side slopes being excessively steep. The landfill held a state permit for sanitary landfilling from 1978-81.							
Hazardous Substances Disposed solvents, pesticides, naphthalenes, phthalates, PAH'S, spent foundry sand and baghouse dust from the former Abex Corp.							
Describe Potential Hazardous Threat Landfilled wastes were placed directly on bedrock. The bedrock leads to the major source of drinking water for residents with private wells. The fill is unlined, with no diversion structures for runoff or leachate collection. There is potential for direct contact exposure to foundry sand.							
Site Name	Hornell Street Extension	Region	8	Site Code	3B	EPA ID#	NYD980780787
HS Site Number	HS8024	County	Steuben	Was the site ever on the Registry?	D	Registry #	851006
Site Address	Hornell Street Extension Hornell		14843	Owner	Consolidated Rail	Operator	Hornell Waste Material Co.
Site Description Approximately 800 feet southwest of the Canisteo River in City of Hornell. Bounded on the north by Conrail road bed, on the east by Route 21 & 36; on the south by residential area and on the west by Hornell Street Extension and baseball diamond. This site was referred to the Division of Solid Waste on 1/3/92. The site was delisted due to the absence of hazardous waste disposal documentation. The site needs to be resampled.							
Hazardous Substances Disposed Metals and possible other unknown hazardous substances							
Describe Potential Hazardous Threat Some solid waste is still present onsite and is being used by local youths as a play area. On May 20, 1980, a boy fell off his bike into a puddle of liquid that caused second and third degree burns on the boy's hands and face. No incidents have occurred since, but a potential hazard exists due to the uncontrolled site access.							
Site Name	Hulberton Maintenance Yard	Region	8	Site Code	1B	EPA ID#	NYD982531220
HS Site Number	HS8025	County	Orleans	Was the site ever on the Registry?	D	Registry #	837007
Site Address	Hulberton Rd Murray		14470	Owner	NYS DOT (Canal Section 7)	Operator	Same
Site Description Site used as maintenance yard for the canal work between 1924 to 1970. Currently owned by NYSDOT and used as maintenance garage. Site used to store forty 55 gallon drums of paint waste between 1982-1985. The site was delisted on 8/21/92. This site was referred to the Division of Solid Waste on 11/3/92.							
Hazardous Substances Disposed Waste paint stored in 40 drums on-site from 1982-1985 and then removed. Some drums in poor condition and may have leaked onto ground.							
Describe Potential Hazardous Threat Groundwater threatened and possible direct contact with surface water. Workers at maintenance yard are also potentially exposed.							

SYL00115854

Active Hazardous Substances Waste Disposal Site Inventory

Site Name Kaplan Container	Region 8	Site Code 1A	EPA ID# NYD981560881
HS Site Number HS8027	County Monroe	Was the site ever on the Registry? D	Registry # 828046
Site Address Despatch Drive		Owner Kaplan Container	
East Rochester	14445	Operator Kaplan Container	

Site Description

This is a portion of the Former Railroad Car Shop. A drum reconditioning operation takes place on site. MCDOH-documentation/plot plans submitted to DEC-R8 2/14/92 along with an opposition to delisting. Various waste suspected at site. In 1981 large oil spill was investigated by NYSDOT.

Hazardous Substances Disposed

Metals, SVOC's, various hazardous substances

Describe Potential Hazardous Threat

Surface water impacting class C stream (downgradient creek.) Drainage of chemicals into gravel base and soil in unreconditioned drum storage areas north and west sides of building.

Site Name Kentucky Ave. Satellite #1	Region 8	Site Code 1	EPA ID# NYD981560428
HS Site Number HS8028	County Chemung	Was the site ever on the Registry? N	Registry # N
Site Address W Chemung Street		Owner State of New York	
Horseheads	14845	Operator Same	

Site Description

This site is referred to by EPA as the Light Industrial Facility. The property is currently occupied by the State Department of Transportation which uses the area as a garage and maintenance facility.

Hazardous Substances Disposed

chloroform 67-66-3, fluoranthene 206-44-0, Pyrene 129-00-0, benzo(b)fluoranthene 205-99-2, benzo(a)pyrene 50-32-8, indeno(1,2,3-cd)pyrene 193-39-5, benzo(ghi)perylene 191-24-2, cadmium 7440-43-9, copper 7440-50-8, lead 7439-92-1, tin 7440-31-5

Describe Potential Hazardous Threat

If the waste at the site is contaminated, runoff possibly could effect storm sewage system. The portion of the site used for dumping is accesible to the public.

Site Name Kentucky Ave. Satellite #18	Region 8	Site Code 3A	EPA ID# NYD981560444
HS Site Number HS8029	County Chemung	Was the site ever on the Registry? N	Registry # N
Site Address Center Street		Owner Horseheads High School	
Horseheads	14845	Operator Same	

Site Description

The site is located on the southwest portion of the Horseheads High School athletic fields. Aerial photographs indicate that the 3 acre site was a small landfill or dump in 1964. This site is known by EPA as the Fill Area.

Hazardous Substances Disposed

Toluene 108-88-3, Phenanthrene 85-01-8, Anthracene 120-12-7, Fluoranthene 206-44-0, Pyrene 129-00-0, Benzo(a)anthracene 56-55-3, Bis(2-ethylhexyl)phthalate 117-81-7, Chrysene 218-01-9, Benzo(b)fluoranthene 205-99-2, benzo(k)fluoranthene 207-08-9, benzo(a)pyrene 50-32-8, indeno(1,2,3-cd)pyrene 193-39-5, dibenzo(a,h)anthracene 53-70-3, benzo(g,h,i)perylene 191-24-2, arcolor-1260 11096-82-5, carbon disulfide 75-15-0, chloroform 67-66-3, 1,1,1-trichloroethane 71-55-6, tetrachloroethane, 4-methylphenol 106-44-5, naphthalene 91-20-3, acenaphthylene 208-96-8, dibenzofuran 132-64-9, fluorene 86-73-7, di-n-octylphthalate 117-84-0, 4,4'-DDT 50-29-3, chlordane 57-74-9, Mercury 7439-97-6

Describe Potential Hazardous Threat

Potential hazards exist in the contamination to the groundwater and surface water routes. Also direct contact to the wastes is a possibility since it is an athletic field.

Site Name Kentucky Ave. Satellite #2	Region 8	Site Code 5	EPA ID# NYD981560527
HS Site Number HS8030	County Chemung	Was the site ever on the Registry? N	Registry # N
Site Address West Chemung Street		Owner County of Chemung	
Horseheads	14845	Operator Same	

Site Description

The property is currently occupied by the county highway department, which uses the area as a garage and storage area. The previous owner during the 1950's was Myers Oil Co. The site was investigated as part of a study to pin-point sources of contamination of local groundwater. The site is also known as Chemung County Dept. of Highways.

Hazardous Substances Disposed

VOC's, metals

Describe Potential Hazardous Threat

The groundwater contamination has resulted in the closure of the Kentucky Avenue well field. If the waste at the site is contaminated, adjacent surface waters may be damaged from site run-off.

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Kentucky Ave. Satellite #4	Region	8	Site Code	3A	EPA ID#	NYD981560436
HS Site Number	HS8031	County	Chemung	Was the site ever on the Registry?	N	Registry #	N
Site Address	Hemlock St. Horseheads		14845	Owner	Ezra Wolcott		
				Operator	U		

Site Description

An inactive sand and gravel pit contains fill dirt, brush, dead trees, paving materials, and household wastes. Well sampling in 1980 and 1984 showed significant levels of trichloroethane and other organic compounds in the groundwater. The gravel pit was identified as a possible contamination source in 1982 EPA historic photo analysis records. This site is also known as the Former Sand & Gravel Pit by EPA.

Hazardous Substances Disposed

trichloroethene 79-01-6, phenanthrene 85-01-8, anthracene 120-12-7, fluoranthene 206-44-0, pyrene 129-00-0, benzo(a)anthracene 56-53-3, bis(2-ethylhexyl)phthalate 117-81-7, chrysene 218-01-9, benzo(b)fluoranthene 205-99-2, benzo(k)fluoranthene 207-08-9, benzo(a)pyrene 50-32-8, indeno(1,2,3-cd)pyrene 193-39-5, benzo(ghi)perylene 191-24-2, cadmium 7440-43-9

Describe Potential Hazardous Threat

Although local groundwater contamination has been documented, the contamination cannot be attributed to the past activities on site. Results of sampling activities on May 27-29 and June 26, 1986, do not conclusively support the information.

Site Name	Kentucky Ave. Satellite #7	Region	8	Site Code	1	EPA ID#	NYD980650667
HS Site Number	HS8032	County	Chemung	Was the site ever on the Registry?	N	Registry #	N
Site Address	Grand Central Ave. Elmira Heights		14845	Owner	Elmira Pattern and Foundry		
				Operator	Same		

Site Description

Plant has been owned and operated by Elmira Pattern and Foundry since 1963. Previously was owned by the Elmira knitting mills, prior to that by Buckley Nylock Corp. The company currently produces aluminum castings and sells casting patterns to other Co's. In the 1950's a local resident observed on site dumping of unknown materials. This site is described by the EPA as Four Unlined Lagoons.

Hazardous Substances Disposed

copper 7440-50-8, magnesium 7439-95-4, phenol 108-95-2, benzyl alcohol 100-51-6, 1,2 dichlorobenzene 95-50-1, benzoic acid 65-85-0, naphthalene 91-20-3, acenaphthene 83-32-9, dibenzofuran 132-64-9, fluorene 86-73-7, phentanthrene 85-01-8, anthracene 120-12-7, fluoranthene 206-44-0, pyrene 129-00-0, butylbenzylphthalate 85-68-7, benzo(a)anthracene 56-55-3, chrysene 218-01-9, di-n-octyl phthalate 117-84-0, benzo(b)fluoranthene 205-99-2, benzo(k)fluoranthene 207-08-9, benzo(a)pyrene 50-32-8, indeno(1,2,3-cd)pyrene 193-39-5, benzo(ghi)perylene 191-24-2, acetone 67-64-1, toluene 188-88-3, 4-methyl-2-pentanone 108-10-1

Describe Potential Hazardous Threat

PAH's and other semi volatile compounds showed significant concentrations in the soil samples taken. Lesser concentrations of pesticide and VOC were also detected.

Site Name	Koppers Company (Elmira)	Region	8	Site Code	1B	EPA ID#	None
HS Site Number	HS8033	County	Chemung	Was the site ever on the Registry?	D	Registry #	808009
Site Address	1420 College Ave. Elmira		14845	Owner	Koppers Company		
				Operator	U		

Site Description

The Koppers Company Forest Products operated a wood preserving facility on a portion of the site. Cresote used by Koppers for wood preserving was recycled to the extent possible and non-recyclable cresote materials were burned in the plant boiler. The Koppers site has been ruled out as a source of the TCE contamination.

Hazardous Substances Disposed

Trichloroethylene, Lead, Arsenic, Cadmium, Chromium, Copper, Zinc, Mercury, Nickel, Phenanthrene, PAH's

Describe Potential Hazardous Threat

Low levels of toxic pollutants have been found in groundwater, surface water, sediment, and soil; however, the amount of wastes and the source(s) are unknown.

Site Name	Leach Property	Region	8	Site Code	5	EPA ID#	None
HS Site Number	HS8034	County	Wayne	Was the site ever on the Registry?	D	Registry #	859010
Site Address	6494 East Townline Road East Williamson		14589	Owner	Duane Leach		
				Operator			

Site Description

On this site the owner disposed of paint sludges and filters from the Hartman Material Handling Corporation. In the Spring of 1988, the DEC confirmed hazardous waste disposal upon finding a buried drum containing paint filters and paint residue. In July of 1988, a Geophysical survey was conducted to investigate the extent of drum disposal. Drums of hazardous waste and contaminated soil were removed and remediation was completed in October 1990.

SYL00115856

Active Hazardous Substances Waste Disposal Site Inventory

Hazardous Substances Disposed

PAH's associated with discarded asphalt

Describe Potential Hazardous Threat

There are elevated levels of carcinogenic and total PAH's at the site. The site is located between residential lots and could be used for residential development in the future.

Site Name	Lindberg Heat Treating Company	Region	8	Site Code	1B	EPA ID#	NYD043075092
HS Site Number	HS8036	County	Monroe	Was the site ever on the Registry?	N	Registry #	
Site Address	620 Buffalo Rd.			Owner	Rochester Gas & Electric		
	Rochester		14611	Operator	Lindberg Heat Treating Co.		

Site Description

Active heat treating facility which historically used cyanide salts to heat treat metal parts. Cyanide contamination was encountered during removal of an UST used to store quench water. Petroleum contaminated soils were also encountered in soils and groundwater. A letter from Lindberg Heat Treating Co. indicates the site has been industrial for a long period of time and that some of the contaminants appeared to originate off-site. This letter also refers to their report "Underground Storage Tank Closure, Additional Subsurface Investigation And Limited Human Health Based Risk Assessment," of August 12, 1992 for details regarding the most recent analytical results.

Hazardous Substances Disposed

cyanide quench water D003, quench oil, VOC's, SVOC's, metals, petroleum hydrocarbons

Describe Potential Hazardous Threat

Potential impacts to groundwater

Site Name	Macedon Landfill	Region	8	Site Code	3A	EPA ID#	NYD986886182
HS Site Number	HS8037	County	Wayne	Was the site ever on the Registry?	D	Registry #	859007
Site Address	Quaker Road			Owner	Town of Macedon		
	Macedon		14502	Operator	Same		

Site Description

The site is an inactive solid waste landfill. During its year of operation, wastes were accepted from surrounding communities as well as Mobil Chemical Co Films Division, in Macedon, NY. The site is situated in a rural residential and agricultural area, on Quaker Road in Macedon. The site was delisted on 8/20/92. This site was referred to the Division of Solid Waste on 10/1/92. Due to past complaints by the neighboring property owner, Solid Waste may approach the Town for Voluntary repairs.

Hazardous Substances Disposed

Paint and ink sludges

Describe Potential Hazardous Threat

Groundwater contamination, leachate runoff to surface water. There is potential for exposure through private well contamination.

Site Name	Miljo Corp.	Region	8	Site Code	1B	EPA ID#	NYD980508063
HS Site Number	HS8038	County	Monroe	Was the site ever on the Registry?	D	Registry #	828006
Site Address	295 McKee Road			Owner	VJ Enterprizes, Inc.		
	Rochester (C)		14611	Operator	Miljo Liquid Processing Corp.		

Site Description

Site reprocessed, distilled, and incinerated large quantities of industrial and hazardous wastes for many industries in Monroe County. Incinerator shut down by MCDOH due to air pollution problem. Business went bankrupt and abandoned site with approx. 2500 drums left on site.

Hazardous Substances Disposed

Waste solvents, inks, paint sludges, cyanide, chrome acid, waste oils, and tar

Describe Potential Hazardous Threat

Site handled large quantities of industrial and hazardous waste. Property was abandoned with approx. 2500 barrels left on site. Barrels were removed in 1980 by current site owner. No surface soil or groundwater sampling was performed. Potential hazard to site occupants and runoff to Barge Canal.

Site Name	Monarch Sand & Gravel(Lipari)	Region	8	Site Code	3A	EPA ID#	NYD980534747
HS Site Number	HS8039	County	Monroe	Was the site ever on the Registry?	D	Registry #	828019
Site Address	Pine Hill Road			Owner	Vincent J. Damico		
	Parma		14559	Operator	U		

Site Description

Portion of site formerly used as a landfill includes fly ash which may contain hazardous substances. This former sand and gravel pit is closed and adjacent to an active C&D site. This site was referred to the Division of Solid Waste on 2/26/93.

Hazardous Substances Disposed

Arsenic 7440-38-2, Chromium 7440-47-3, Lead 7439-92-1, Zinc 7440-66-6, 50,000 - 60,000 cu yds fly ash from RG&E

Describe Potential Hazardous Threat

Groundwater is used for drinking .75 miles downgradient from the site. The Village of Specerport well near the site was closed because of contamination.

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	NYSDOT Pittsford, Monroe Ave	Region	8	Site Code	3B	EPA ID#	NYD981560832
HS Site Number	HS8040	County	Monroe	Was the site ever on the Registry?	D	Registry #	828056
Site Address	3887 Monroe Ave			Owner	NYSDOT		
	Pittsford		14534	Operator	Same		

Site Description

Filled areas on the site of a NYSDOT maintenance facility. This site was referred to the Division of Water on 7/2/91.

Hazardous Substances Disposed

Leaded paint and herbicide disposal is alleged.

Describe Potential Hazardous Threat

Contamination may affect nearby residents or the stream leaving the site.

Site Name	Old Rochester Landfill	Region	8	Site Code	3A	EPA ID#	NYD980507594
HS Site Number	HS8041	County	Monroe	Was the site ever on the Registry?	D	Registry #	828009
Site Address	Pattonwood Drive			Owner	Many Owners		
	Irondequoit		14600	Operator	Many Operators		

Site Description

The site is located on the east bank of the Genesee River in a former freshwater wet-land. There is presently an active marina on-site and a residential area adjacent to the site. Excavation work in the area uncovered two drums. They contained low levels of PCB's and high levels of lead. Settling has occurred near residential homes(Timrod Drive).

Hazardous Substances Disposed

PCB's, Lead, fly ash

Describe Potential Hazardous Threat

This site is in a wetland and may result in contamination of local surface waters. Buried metallic objects near the residences on Timrod Drive.

Site Name	Owens-Illinois	Region	8	Site Code	1A	EPA ID#	NYD002708742
HS Site Number	HS8042	County	Monroe	Was the site ever on the Registry?	D	Registry #	828007
Site Address	4 Owens Road			Owner	Owen-Illinois		
	Brockport		14420	Operator	Same		

Site Description

Incineration is used for the glass melting process, and serves as a recycling source for much of the waste generated on site. A 35 GPM air floatation device removes oil and grease from discharging to the county sanitary sewer producing 120 gal/day of an oil water slurry. This waste is stored and temporarily added to the glass batch for incineration. Once every two years the plant discharges direct contact cooling water to a clay lined settling pond, where it is lifted out of the pond and flows by gravity to the Brockport Creek. Annual waste production in 1976-77 was 41000 gal.

Hazardous Substances Disposed

trichloroethylene 70-01-6, trichloroethane 25323-89-1, Xylene 1330-20-7, slurry, aluminum hydroxide 21645-51-2, oil and grease, Chromium 7440-47-3, Iron, Selenium 7782-49-2, Tin 7440-31-5, asbestos 1332-21-4, PCB'S 1336-36-3

Describe Potential Hazardous Threat

Substances used, generated, and stored on site may be hazardous to the environment and population via potential contamination of groundwater, surface water, air, and soil.

Site Name	Penn Yan Boats	Region	8	Site Code	4	EPA ID#	NYD002217008
HS Site Number	HS8043	County	Yates	Was the site ever on the Registry?	D	Registry #	862005
Site Address	Waddell Ave.			Owner	Camille Properties Inc.		
	Penn Yan, NY		14527	Operator	Pen Yan Marine MFG, Inc.		

Site Description

Penn Yan Boats was a manufacturing facility located on the outlet of Keuka Lake in Penn Yan. It manufactured fiberglass boats since 1929. Former drum storage location is NE of main building. Scrap parts, lumber and fiberglass are now stored in this vicinity. Village residents on municipal source of drinking water from the lake which is upgradient of the site. The site was delisted on 4/22/93.

Hazardous Substances Disposed

Waste acetone suspected

Describe Potential Hazardous Threat

Possible threat to groundwater.

SYL00115858

Active Hazardous Substances Waste Disposal Site Inventory

Site Name Pulcini Scavenger	Region 8	Site Code 5	EPA ID# NYD980762744
HS Site Number HS8044	County Wayne	Was the site ever on the Registry? D	Registry # 859005
Site Address U		Owner Walter Pulcini, Inc.	Operator
Macedon, NY	14502		

Site Description

The site is approximately 130 acres of which a large portion is a sand and gravel quarry. Site is in operation by owner for landspreading sewage sludge and mining gravel. Site was delisted in 4/94.

Hazardous Substances Disposed

TCA, MEK, toluene, DDT, PCB(1254), lead, zinc, pesticides.

Describe Potential Hazardous Threat

Septic wastes, fluid plastic wastes and waste oils were disposed of in unlined lagoons. The contents of all but one lagoon were excavated and landspread in fields onsite.

Site Name RG&E, Ambrose Yard	Region 8	Site Code 2A	EPA ID# None
HS Site Number HS8045	County Monroe	Was the site ever on the Registry? U	Registry # U
Site Address Ambrose Street		Owner RG&E	Operator Rochester Gas & Electric Corp.
Rochester	14614		

Site Description

The site was formerly used as a coal storage facility, which is consistent with the presence of metals. The RG&E Ambrose Yard may have received approximately 50 cu yds of coal tar. This area is immediately adjacent to the Genesee River Gorge in downtown Rochester, NY. The Monroe Co. Dept. of Pure Waters installed a seventy foot diameter access shaft to a depth exceeding 100 ft. on the site. Excavated overburden soils were sampled frequently as were rock fragments in an effort to detect any potentially hazardous material. Groundwater seeping into the tunnel beneath the site was also sampled. No chemicals were found. This site is within the boundary of former Registry site 828044. This site is the same as RG&E, Lake Ave.

Hazardous Substances Disposed

Coal, possibly small amounts of coal tar

Describe Potential Hazardous Threat

Potential for surface water and groundwater contamination from coal tar disposal. Coal tar seeps have been noted at the lower falls. This site along with other coal gas sites in the immediate area may be contributing to contamination.

Site Name RG&E, Brooks Ave Tank Farm	Region 8	Site Code 2A	EPA ID# NYD000818781
HS Site Number HS8046	County Monroe	Was the site ever on the Registry? N	Registry # N
Site Address 755 Brooks Ave		Owner Rochester Gas and Elect. Corp.	Operator Same
Rochester	14619		

Site Description

Prior to ownership by RGEC, the site may have been used for landfilling. Old bottles and ash were uncovered during various onsite excavations and tank bottom sludges may have been landfilled by previous owners. Oil/water separator effluent was discharged to a nearby drainage ditch which ended at a small ponded area. Oil was held and disposed of offsite. A SPDES permit was held from 1979-1985 for discharge of wastewater from the oil/water separator. This permit was cancelled due to cessation of storage and treatment of oily water. #2 oil is stored on site and holds a major oil storage facility license. In 1989, monitoring wells off site confirmed the presence of liquid hydrocarbons in the groundwater. The hydrocarbon was found in upgradient and down gradient wells indicating a potential offsite contamination source. No miscellaneous spills or incidents of dumping have been reported. An asbestos dumpster on site is 40 yd³ and totally enclosed. 5-15 tons of waste are stored annually. The asbestos is double bagged in impermeable plastic, labeled, and disposed of off site.

Hazardous Substances Disposed

400,000 lbs. of oil, PCB's, and PCB contaminated oil and 500 gal. non-hazardous waste oil are stored on site for offsite disposal annually.

Describe Potential Hazardous Threat

A containment system has been implemented and an application for a hazardous waste storage permit is in review. Contamination was observed, yet the source is unknown.

Site Name RG&E, East Station (Sunpru St)	Region 8	Site Code 2A	EPA ID# NYD980531230
HS Site Number HS8047	County Monroe	Was the site ever on the Registry? N	Registry # N
Site Address Sunpru Street		Owner Rochester Gas and Electric #34	Operator Same
Rochester	14608		

Site Description

Coal Gasification took place and manufactured products were produced at this facility. By products including coal tar, water tar, creosote, pitch, sulfate of ammonia, and spent oxide shavings. The spent oxide shavings were used in an oxide purifier system that made it possible to reuse purifier shavings. This property is presently under investigation by the NYSDEC, along with all the properties and industrial facilities located along this portion of the Genesee River between the upper and lower falls. This site is within the former registry site 828044 boundary. An IRM was undertaken in 1993 to cover all exposed MGP residues on the site with clean fill brought from an offsite location and to improve fencing and security at the site.

Active Hazardous Substances Waste Disposal Site Inventory

Hazardous Substances Disposed

Coal, coke, light oil, bengas, water tar, creosote, pitch, sulfate of ammonia, spent oxide shavings

Describe Potential Hazardous Threat

The site is presently under investigation by the NYSDEC, they have begun Phase 3 of the investigation.

Site Name	RG&E, Front Street	Region	8	Site Code	2A	EPA ID#	None
HS Site Number	HS8048	County	Monroe	Was the site ever on the Registry?	U	Registry #	U
Site Address	Front St			Owner	RG&E		
	Rochester			Operator	Same		

Site Description

This site is a former coal gas manufacturing plant site, which was used as a maintenance garage by RG&E until 1994. It is likely to be demolished in 1995. Coking processes took place onsite. The byproducts were sold, and the remaining waste were disposed of on-site. The site is paved and the waste materials are buried. A Voluntary Cleanup Agreement is under negotiation.

Hazardous Substances Disposed

Coal tar wastes were disposed on site.

Describe Potential Hazardous Threat

The site was notified under CERCLA in 1989. Coal tar is at the top of rock. On site disposal of coking wastes occurred during operation. Potential for direct contact if any uncontrolled excavations occur. The Monroe County Dept. of Pure Waters installed a tunnel in bedrock beneath the site. No contamination was found in the groundwater in the bedrock aquifer. There are active coal tar seeps entering the Genesee River.

Site Name	Rochester Metal Etching	Region	8	Site Code	1A	EPA ID#	None
HS Site Number	HS8049	County	Monroe	Was the site ever on the Registry?	U	Registry #	U
Site Address	100 Lake Ave			Owner	Rob Cobb		
	Rochester		14608	Operator	U		

Site Description

Rochester Metal Etching is located at 100 Lake Avenue between White and Spencer Streets. An adjacent excavation for an addition to the Rosetto Foods buildings at 10 White Street encountered a green liquid discharging from the direction of Rochester Metal Etching. Analysis of liquid was conducted and an interceptor drain was constructed at Rosetto. Rochester Metal Etching has moved out. The building is used for storage. A site investigation is scheduled for the summer of 1998.

Hazardous Substances Disposed

Solvents and metals

Describe Potential Hazardous Threat

Contaminated groundwater is entering an interceptor drain at 10 White Street. This measure was to protect the building at 10 White Street and prevent the spread of contamination as a temporary measure. An onsite cleanup and a more permanent remediation system needs to be implemented. Solvents and metals were detected in analysis of groundwater on Rosetto property adjacent to Rochester Metal Etching.

Site Name	Schutt Scrapyard	Region	8	Site Code	5-Scrapyrd	EPA ID#	None
HS Site Number	HS8050	County	Steuben	Was the site ever on the Registry?	N	Registry #	851807N.
Site Address	Winfield Street			Owner	A.L. Schutt		
	Corning		14810	Operator	U		

Site Description

The scrapyard processed junk automobiles, household appliances, transformers and metal scrap. On-site equipment included a car crusher, electromagnet, and hydraulic shear. Past use research indicates that oil filled transformers were cut open by the hydraulic shear.

Hazardous Substances Disposed

PCB's 11097-69-1; Lead 7439-92-1; Chromium 7440-47-3; Cadmium 7440-43-9; Mercury 7439-97-6; Xylene 1330; Toluene 108-88-3

Describe Potential Hazardous Threat

The scrapyard is near residential properties and is not fenced. The potential for direct human contact exposure to contaminated surface soil exists.

Site Name	Scottsville Rd., Chili 2	Region	8	Site Code	1B	EPA ID#	NYD980762504
HS Site Number	HS8051	County	Monroe	Was the site ever on the Registry?	D	Registry #	828022
Site Address	Scottsville Rd			Owner	84 Lumber Co.(multiple owners)		
	Chili		14624	Operator	U		

Site Description

The site is located south of Rochester Airport, is presently used for industrial/commercial purposes. It is a former landfill site reputed to contain approximately 100 pounds of cyanide and some sulfuric acid. Hazardous substances documented include lead, zinc, mercury, copper, cadmium, and acetone. RCRA site(Lyell Metals Facility) Site was delisted on 5/19/93. NYSDEC sampling at the site on 7/29/94 detected no VOC contamination on site wells other than 5 ug/l of carbon disulfide in upgradient well GW-3. Acetone was not detected.

SYL00115860

Active Hazardous Substances Waste Disposal Site Inventory

Hazardous Substances Disposed

Reportedly 100 lbs. of cyanide, 15 gallons of sulfuric acid, and 1000's of gallons of oil, solvent & chemicals on Lyell Metals Facility were dumped. Cyanide 57-12-5, Lead 7439-92-1, Acetone 57-64-1, Mercury 7439-97-6, Zinc 7440-66, Sulfuric acid 8014-95-7, aluminum 7429-90-5, iron 8047-67-4

Describe Potential Hazardous Threat

The site is adjacent to a NYS wetland. There is possible evidence of contamination of groundwater and possibly soil at this site. Large amounts of metal are exposed at the surface. There is a definite threat to the environment and the Genesee River. Sections of the site are accessible to the general public and workers on site.

Site Name	Sodus Fruit Farm	Region	8	Site Code	5	EPA ID#	None
HS Site Number	HS8052	County	Wayne	Was the site ever on the Registry?	U	Registry #	U
Site Address	Lake Rd Sodus		14551	Owner	Mark IV Construction		
				Operator	Anthony M. DiMarzo		

Site Description

Sodus Fruit Farm went bankrupt in 1986. Poor management of weed control substances, fungicides, herbicides, insecticides led to barn and soil contamination. Some cleanup was conducted in 1988; however 1989 analytical data shows some contamination remains at the site.

Hazardous Substances Disposed

Pesticide - Demeton; 4,4-DDT; 4,4-DDE

Describe Potential Hazardous Threat

The Village of Sodus Point obtains its drinking water from Lake Ontario; this intake is 1-2 miles downgradient of the Sodus Fruit Farm. There may also remain a threat if pesticides remain in the surficial soils on-site.

Site Name	Stromberg Carlson/Gen. Circuit	Region	8	Site Code	1	EPA ID#	None
HS Site Number	HS8054	County	Monroe	Was the site ever on the Registry?	N	Registry #	N
Site Address	100 Carlson Road Rochester		14610	Owner	Multiple		
				Operator	Multiple		

Site Description

1) Telephone/electrical circuit board mfg/solvent storage/painting/plating/vapor degreasing operation

2) City of Rochester waste site #52 (3 areas)

Hazardous Substances Disposed

Suspected VOC's and metals

Describe Potential Hazardous Threat

Potential for subsurface soil/rock/water contamination. Need for surveillance of circuit board plating/degreasing/solvent storage area within building.

Site Name	Sun Chemical Corporation(Reg8)	Region	8	Site Code	1A	EPA ID#	NYD041288689
HS Site Number	HS8055	County	Monroe	Was the site ever on the Registry?	N	Registry #	N
Site Address	795 Beahan Rd. Chili		14264	Owner	SUN/DIC Aquisition Corporation		
				Operator	U		

Site Description

The Sun Chemical Corp. is located in a commerical/industrial area of Chili. The site is active with approximately thirteen on-site workers.

Hazardous Substances Disposed

Suspected VOC's and SVOC's.

Describe Potential Hazardous Threat

In 1990, during a building fire three 55 gallon drums ruptured and spilled 110 gallons of cutting oil and 55 gallons of floor stripper. These substances mixed with water and runoff drained to a nearby ditch. This leads us to suspect surface water contamination. Although soil contamination can not be documented it is likely that VOC's and semi-VOC's are present based on the waste deposited.

Site Name	Tom Paxton Chevrolet, Inc.	Region	8	Site Code	1A	EPA ID#	NYD981133408
HS Site Number	HS8056	County	Monroe	Was the site ever on the Registry?	D	Registry #	828073
Site Address	Route 383 Scottsville, NY		14546	Owner	Thomas Paxton		
				Operator			

Site Description

The site is an automobile dealership. It is alleged that an ex-employee disposed of approximately 40 gallons of waste liquid in an area behind the dealership. The wastes allegedly disposed of during this single incident consisted of spent lacquer, lacquer thinner, acrylic enamel, and enamel reducers.

Hazardous Substances Disposed

Zinc, manganese, lead, alleged 40 gallons of spent lacquer, thinner and enamel residues.

Describe Potential Hazardous Threat

Possible groundwater contamination. Sample results at well MW3 are below the NYSDOH drinking water standard and therefore does not pose a

SYL00115861

Active Hazardous Substances Waste Disposal Site Inventory

health risk concern.

Site Name Union Processing Corp.	Region 8	Site Code 1	EPA ID# NYD079681342
HS Site Number HS8058	County Monroe	Was the site ever on the Registry? N	Registry # N
Site Address 3484 S.Union Street		Owner Union Processing Corp.	
North Chili	14514	Operator Same	

Site Description

Union Processing Corp is an automobile shredding facility. The batteries, gas tanks, tires, and fluids are reportedly removed from the vehicles before they arrive on site. Treated water is discharged under a SPDES permit, to a tributary of Black Creek. NYSDEC monitors the site with regard to the SPDES and air contamination permits. A diesel fuel storage tank is present on site, stained soils were noted nearby.

Hazardous Substances Disposed

xylene, bis(2-ethylhexyl)phthalate, several pesticides, PCB's, Inorganic compounds

Describe Potential Hazardous Threat

Lack of groundwater use, little potential for significant surface water impact, and a small population for direct contact result in a low potential hazard.

Site Name Wolfe Farm	Region 8	Site Code 1B	EPA ID# NYD980535595
HS Site Number HS8059	County Chemung	Was the site ever on the Registry? D	Registry # 808008
Site Address Halderman Hollow Rd		Owner William Wolfe	
Big Flats	14814	Operator Same	

Site Description

Site is a lagoon used for disposal of Westinghouse wastes. The site was inspected in 1983; there was no leachate evident and vegetation was established over the entire area.

Hazardous Substances Disposed

CaF sludges, phosphates, hydroxides, sulfides from Westinghouse, lead phosphate, cadmium

Describe Potential Hazardous Threat

Potential for groundwater contamination. Lagoon is uncovered, potential for direct contact.

Site Name 59th Street Site	Region 9	Site Code 3B	EPA ID# New
HS Site Number HS9001	County Niagara	Was the site ever on the Registry? N	Registry # U
Site Address 5652 Keis Avenue		Owner Quigliano Inc.	
Niagara Falls	14304	Operator N	

Site Description

The site is located in a largely residential area. A large hole was excavated between 1978 and 1980, and an undetermined amount of sludge and drums was dumped. Later residents observed the removal of the sludge and most of the drums.

Hazardous Substances Disposed

polynuclear aromatic hydrocarbons

Describe Potential Hazardous Threat

Drinking water for the area is taken from the Niagara River. However, runoff from the site enters down-stream of the water intake. Primary concern is for the direct contact by persons in the area since the property is not fenced.

Site Name ABC Paving	Region 9	Site Code 3B	EPA ID# None
HS Site Number HS9002	County Erie	Was the site ever on the Registry? N	Registry # N
Site Address 4397 Seneca Street		Owner R.E. Garman	
West Seneca	14224	Operator ABC Paving Co. Inc.	

Site Description

The area in question contains fill material, some of which is blue in color and exhibits elevated levels of cyanide. It is suspected the material was generated as a waste product from the purification of synthetic fuel gases. Sample taken in 1988. Site first discovered in 1987 when area was being constructed into a parking lot. Material is similar to waste found at nearby site #915130 which was remediated in 1988.

Hazardous Substances Disposed

Ferric ferrocyanide

Describe Potential Hazardous Threat

Fill material is situated along bank of Cazenovia Creek. Potential for erosion into stream. Low pH and potential for cyanide gas generation (noted at Hiview Site #915130) could impact public health if contact is made.

SYL00115862

Active Hazardous Substances Waste Disposal Site Inventory

Site Name Agway Felmont	Region 9	Site Code 5-adj site	EPA ID# None
HS Site Number HS9003	County Cattaraugus	Was the site ever on the Registry? D	Registry # 905001
Site Address Buffalo Street		Owner Agway Incorporated	
Olean	14760	Operator Same	

Site Description

The site is not Felmont Oil(905007), in Olean, NY. Agway(905001) lies adjacent to Felmont Oil.

Hazardous Substances Disposed

Ammonia nitrates

Describe Potential Hazardous Threat

A nitrogen fertilizer plant operated from 1966-1983. Ammonia and nitrate contamination resulted in groundwater (principal aquifer) contamination. DEC ordered groundwater restoration from 1977 - 1985.

Site Name Apollo Steel	Region 9	Site Code 3B	EPA ID# New
HS Site Number HS9004	County Niagara	Was the site ever on the Registry? N	Registry # U
Site Address 4800 Wilton Avenue		Owner James Meyers	
Niagara Falls	14304	Operator Apollo Steel	

Site Description

Apollo Steel is a structural fabricating facility; the building foundations and surrounding pavement completely cover the surface of the site which is reported to be built on a carbide slag dump.

Hazardous Substances Disposed

semi-VOC's

Describe Potential Hazardous Threat

Dumped materials are suspected of posing a potential threat to the local surface and groundwater, to the soils, and local population.

Site Name Ashland Petroleum Corp.	Region 9	Site Code 1A	EPA ID# NYD063653133
HS Site Number HS9005	County Erie	Was the site ever on the Registry? D	Registry # 915008A
Site Address 4545 River Road		Owner Ashland Petroleum Corp.	
Tonawanda	14150	Operator Same	

Site Description

The site is suspected of being used for the weathering of tetraethyl lead sludge and is located within the diked area of tank # 24. After the sludge had weathered (volatilized), the sludge was removed for offsite disposal. No records exist which indicate where the sludges were disposed of offsite. It is suspected that the TEL sludge was spread outside of the diked area.

Hazardous Substances Disposed

tetraethyl lead sludge

Describe Potential Hazardous Threat

10-15 barrels of tetraethyl lead sludge, taken from Tank 24 was spread on the ground to weather. The TEL laden sludge was placed w/in an impermeable soil lined dike for weathering, thereby reducing the potential for groundwater contamination. After weathering, the material was removed for offsite disposal. It is suspected however that the sludge was spread outside of the diked area. No records show the offsite disposal of the weathered sludge.

Site Name Bernard Cope	Region 9	Site Code 4	EPA ID# NYD981560785
HS Site Number HS9006	County Erie	Was the site ever on the Registry? D	Registry # 915102
Site Address Buell Street		Owner Bernard Cope	
Akron	14001	Operator Same	

Site Description

The site was formerly a gravel pit. In the 1960's the pit was filled in partially with C&D debris. The owner never obtained a permit to operate the dump area, although requested to do so by the Erie Co. Dept. of Environment and Planning in 1978. This site was referred to the Division of Solid Waste on 10/6/92.

Hazardous Substances Disposed

Suspected hazardous substances associated with C&D disposal.

Describe Potential Hazardous Threat

The site has the potential to impact both the public health and environment. Some local residents use groundwater as a potable source and the site lies in close proximity to Murder Creek, a freshwater perennial creek. A freshwater wetland lies downstream of the site. Little is known about the quantity or character of buried waste at the site.

SYL00115863

Active Hazardous Substances Waste Disposal Site Inventory

Site Name Brant Landfill	Region 9	Site Code 3A	EPA ID# NYD000513747
HS Site Number HS9007	County Erie	Was the site ever on the Registry? D	Registry # 915103
Site Address Hardpan Rd		Owner Town of Brant	
Brant	14027	Operator U	

Site Description

This site has been used for disposal of refuse generated within the Town of Brant and Village of Farmham. Landfill has recently been closed and converted to a transfer station.

Hazardous Substances Disposed

Suspected hazardous substances associated with municipal waste.

Describe Potential Hazardous Threat

15 Acre municipal landfill is adjacent to a marshy, environmentally sensitive area. Leachate enters this area.

Site Name Brzezinski Property	Region 9	Site Code 3B	EPA ID# NYD980507008
HS Site Number HS9008	County Niagara	Was the site ever on the Registry? D	Registry # 932006
Site Address Williams Street		Owner Brzezinski, Newman, and Smith	
Wheatfield		Operator Same	

Site Description

The site is a former natural cove of the Niagara River. An earthen berm reinforced w/rock riprap was constructed across the mouth of the cove in the mid 1960's. Water was then pumped out of the cove into the river and the cove was filled in with solid industrial waste. The site is covered with clean fill and irregularly graded. This site was referred to the Division of Solid Waste on 2/28/92.

Hazardous Substances Disposed

Solid industrial fill was placed in the landfill. There are no records of hazardous waste being placed in the cove.

Describe Potential Hazardous Threat

Although groundwater contamination exists, it can not be attributed to the disposal of hazardous waste on site. The location of the site however is adjacent to the Niagara River which is used as a drinking supply. If contamination of the surface water occurs, then a threat to the population exists.

Site Name Buffalo Pumps	Region 9	Site Code 3B	EPA ID# NYD002127199
HS Site Number HS9009	County Niagara	Was the site ever on the Registry? D	Registry # 932044
Site Address 874 Oliver Street		Owner Buffalo Pumps, Inc.	
N. Tonawanda	14120	Operator Same	

Site Description

Coal fired boilers were used on site until 1970 and the boiler ash was disposed of in an area adjacent to the north side of the plant. Wastes are now hauled offsite for disposal. This site was referred to the Division of Water on 6/19/91.

Hazardous Substances Disposed

C&D debris, foundry sand, excavated soils, and boiler ash were disposed of on site.

Describe Potential Hazardous Threat

Metals were found in the groundwater. The surface waters discharge to the Niagara River. The drinking water for the surrounding area is taken from the surface waters of the Niagara River.

Site Name CSX Transportation	Region 9	Site Code 1A	EPA ID# None
HS Site Number HS9010	County Cattaraugus	Was the site ever on the Registry? N	Registry # N
Site Address Along Route 219		Owner CSX Transportation	
Ellicottville	14731	Operator U	

Site Description

Two derailments in Circa 1972 deposited zinc ore along two sections of track. PSA activities in 1988-89 delineated the areas. Excavation and removal activities were conducted in 1993. 644 tons of non-TCLP soil, 1114 tons of TCLP soil, 255 tons of stone ballast and 74 tons of debris was removed. At the present time it is used as a parking lot. There is a topsoil operation at the southern end of the site.

Hazardous Substances Disposed

Cadmium (7440-43-9)

Describe Potential Hazardous Threat

There are still soils remaining which contain Cadmium between 10 ppm and 100 ppm, with one hit of 700 ppm.

SYL00115864

Active Hazardous Substances Waste Disposal Site Inventory

Site Name Carborundum Building 82	Region 9	Site Code 1A	EPA ID# NYD42513754
HS Site Number HS9011	County Niagara	Was the site ever on the Registry? D	Registry # 932048B
Site Address 1801 Buffalo Ave.		Owner Washington Mills Electro Miner	
Niagara Falls	14302	Operator Same	

Site Description

The site is relatively flat and has been graded. It is currently used to store scrap metal, wood pallets, rubble, and recyclable aluminum oxide shot. Previously the site was used to manufacture refractory products and/or abrasive grains from silicon carbide, aluminum oxide, graphite, and brown carbide. The oil containment pit was reportedly never used. This site was referred to the Division of Solid Waste on 6/19/91.

Hazardous Substances Disposed

PCB's

Describe Potential Hazardous Threat

The Niagara River is located 650 feet south of the site. Drinking water intakes exist on the river. Population is at risk if the site is contaminating the surface water.

Site Name Donner-Hanna Coke	Region 9	Site Code 1B	EPA ID# NYD002110971
HS Site Number HS9014	County Erie	Was the site ever on the Registry? Y	Registry # 915017
Site Address Abby and Mystic Street		Owner LTV Steel Co. & Hanna Furnace	
Buffalo	14220	Operator Same as above	

Site Description

Donner-Hanna Coke Corporation owned and operated a coke facility from about 1930 until the company dissolved in 1979. It was then operated as a joint venture by Republic Steel Corp and Hanna Furnace Corp. In 1983, Republic Steel became LTV Steel Co., Inc. Site originally was a large pond and wetland which was filled with construction and demolition debris, slag and sediments dredged from settling ponds which effluent waters passed. Fill first noticed in 1951. It was later used for coke storage. Operations ceased in the early 1980's. Total area: 50 acres. The Site is the subject of a Voluntary Cleanup Agreement and may have a remedial action as soon as late 1998.

Hazardous Substances Disposed

arsenic(7440-38-2), cyanides(57-12-5), lead(7439-92-1), zinc(7440-66-6), beryllium(7440-41-7), mercury(7439-97-6), acetone(67-64-1), benzene(71-43-2), toluene(108-88-3), cadmium(7440-43-9), chromium(7440-47-3), xylenes(1330-20-7)

Describe Potential Hazardous Threat

This site could pose a threat to the environment through groundwater, surface water, and sediment contamination.

Site Name Ed Ball Sanitation	Region 9	Site Code 3A	EPA ID# NYD000513788
HS Site Number HS9015	County Erie	Was the site ever on the Registry? D	Registry # 915106
Site Address Holland Rd.		Owner Town of Evans	
Evans	14006	Operator Same	

Site Description

The two sites consist of 6 distinct areas of fill. Areas 1,2,& 3 are considered the Ed Ball Sanitation site(915106) and areas 4, 5, and 6 comprise(915110) the Town of Evans Landfill site. Areas 1 & 2 have been covered with topsoil and planted with grasses. In area 4, most of the site is covered with grass, with exposed municipal waste on some parts. Areas 3, 5, & 6 are wooded areas adjacent to wetlands. A single Phase 2 Investigation was completed on both these sites. A map of the sites can be found in the files for the Hazardous Substance Waste Disposal Site Study. This site was referred to the Division of Solid Waste on 6/19/91.

Hazardous Substances Disposed

Hazardous substances associated with municipal waste.

Describe Potential Hazardous Threat

The results of the surface water sampling indicate a potential current release off site to the surface water. The types and concentrations of organic and inorganic compounds detected are consistent with the sites former use as a municipal solid waste landfill and indicate potential contamination problems in both the surface waters and the surface soils.

Site Name Eden Sanitation	Region 9	Site Code 3A	EPA ID# NYD000512822
HS Site Number HS9016	County Erie	Was the site ever on the Registry? D	Registry # 915107
Site Address Townline Road		Owner Joe Ball Jr.	
Eden	14057	Operator N	

Site Description

The site is a 9 acre landfill on a 75 acre plot. The landfill was permitted for the disposal of municipal waste and reportedly received residential and local restaurant refuse throughout it's operation. This site was referred to the Division of Solid Waste on 6/20/91.

Hazardous Substances Disposed

Suspected hazardous substances associated with municipal wastes

Describe Potential Hazardous Threat

The landfill was constructed within a state designated wetland and potential threats to the environment could result from leachate migration to these wetlands. Insufficient information exists to document hazardous waste disposal and/or assess the significance of potential risks to the public health and/or environment. Phenol has been found in residential wells adjacent to the site.

Active Hazardous Substances Waste Disposal Site Inventory

Site Name Enviromelt	Region 9	Site Code 3B	EPA ID# None
HS Site Number HS9017	County Chautauqua	Was the site ever on the Registry? N	Registry # N
Site Address 181 Stegelske Avenue		Owner Dunkirk Int'l Glass & Ceramic	
Dunkirk, NY		Operator Same	
14048			

Site Description

Two foundries were located on this property beginning in 1915. Both foundries used spent casting sand to fill in swampy lowlands adjacent to and along the north and south ends of the site. Construction waste consisting of copper pipe, solder, galvanized ferrous metals was also believed to be disposed. Two environmental investigations were performed in 1989 and 1993. Much of the property is covered by buildings or asphalt parking lots.

Hazardous Substances Disposed

Lead 7439-92-1; copper 7440-50-8; zinc

Describe Potential Hazardous Threat

Groundwater degradation in exceedance of standards. Note: no groundwater use in area.

Site Name Erie Basin Marina	Region 9	Site Code 4	EPA ID# NYD980508220
HS Site Number HS9018	County Erie	Was the site ever on the Registry? D	Registry # 915013
Site Address U		Owner U	
Buffalo		Operator U	
14202			

Site Description

The site is reportedly used for the disposal of slag and C&D debris. The site exists now with docks, parking area, green belts, and a concession area.

Hazardous Substances Disposed

Suspected hazardous substances associated with C&D waste and steel slag.

Describe Potential Hazardous Threat

It is unknown if the site is producing leachate because the site is surrounded by lake water. Drinking water in the area is taken from surface water intakes. 90 % of fill material was reportedly slag from Bethlehem Steel. C&D fill (buildings) was disposed.

Site Name Ferro Corp. Electro Division	Region 9	Site Code 3B	EPA ID# NYD043814003
HS Site Number HS9019	County Erie	Was the site ever on the Registry? D	Registry # 915020
Site Address 661 Willet Road		Owner Ferro Corp-Spec. Ceramics Div.	
Lackawanna		Operator Same	
14128			

Site Description

Ferro manufactured kiln furniture, grinding wheels, and crucibles. In the past, products that were not manufactured to Ferro spec's, were disposed of on the southern portion of the site. On site product disposal reportedly ceased in 1967. In Dec. 1981 a tar like substance was observed in a drainage ditch north of Willet Road. In 1985 it was discovered that oil was still being discharged in the north drainage ditch. This site was referred to the Divisions of Solid Waste and Water on 6/1/90.

Hazardous Substances Disposed

Heavy metals, Tars

Describe Potential Hazardous Threat

The LF on site poses a threat until it is capped and lined. The drainage ditches are contaminating the surface waters.

Site Name Former City of Olean Landfill	Region 9	Site Code 3B	EPA ID# NYD986954667
HS Site Number HS9020	County Allegany	Was the site ever on the Registry? D	Registry # 902011
Site Address Route 305		Owner Michael LaFeuer	
Clarksville		Operator U	
12041			

Site Description

This site is bordered by Dodge Creek to the west and a great pit to the east. The landfill is an elevated mound surrounded by low lying flood plain. Scarce vegetation exists on the landfill but trees border the perimeter of the site.

Hazardous Substances Disposed

Trichloroethylene 8.5tons

Describe Potential Hazardous Threat

Both the groundwater and the surface water are contaminated and the landfill is under investigation because of reported on-site disposal of trichloroethylene.

SYL00115866

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Formso Landfill	Region	9	Site Code	3A	EPA ID#	None
HS Site Number	HS9021	County	Wyoming	Was the site ever on the Registry?	D	Registry #	961001
Site Address	U			Owner	Frank Wowkowych		
	Perry		14530	Operator	U		

Site Description

The unlined landfill is approximately 39 acres of the 109 acre site. Landfilling operations have generated a mound, 75' high x 500' x 300', in the eastern section of the site. The site accepted primarily municipal waste and nonhazardous industrial wastes, but hazardous waste was disposed of there as documented below.

Hazardous Substances Disposed

2.8 tons solidified paint overspray.

Describe Potential Hazardous Threat

High groundwater concentrations of chromium are present in an on-site well; this poses a potential threat to several private residence wells located downgradient of the site.

Site Name	Fox Road Site	Region	9	Site Code	3A	EPA ID#	NYD00514026
HS Site Number	HS9022	County	Erie	Was the site ever on the Registry?	D	Registry #	915089
Site Address	Fox Road			Owner	Town of North Collins		
	North Collins		14111	Operator	N		

Site Description

The site was used as an open dump for the towns municipal refuse between 1958 and 1971 (approx. 63,000 cu yds municipal waste disposed). Incidents of unauthorized dumping are known to have occurred. Leachate outbreaks were noted during NYSDEC inspections which followed closure of the site. This site was referred to the Division of Solid Waste on 11/20/91.

Hazardous Substances Disposed

hazardous substances associated with municipal wastes.

Describe Potential Hazardous Threat

The impact of the groundwater is a concern, since residents in the site vicinity rely on groundwater for drinking and household use. The surface water in the area is being adversely impacted by the landfill. The site is of concern because hazardous substances have been detected in the leachate, surface water, and groundwater at or in the vicinity of the landfill.

Site Name	GCF Industries	Region	9	Site Code	1	EPA ID#	None
HS Site Number	HS9023	County	Erie	Was the site ever on the Registry?	N	Registry #	N
Site Address	105 Dorothy St			Owner	Gary Greenfield, Pres.		
	Buffalo		14206	Operator	U		

Site Description

GCF (also known as Greenfield Chapin and Fagan) Industries is a metal recycling plant which also had an incinerator and conducted smelting operations. Sampling of surface soils conducted by NYSDOH in 1989 adjacent to the site showed elevated levels of lead, chromium, mercury, titanium, cadmium and PCB's.

Hazardous Substances Disposed

Lead 7439-92-1
 Cadmium 7440-43-9
 Mercury 7439-97-6
 Chromium 7440-47-3
 Titanium 7550-45-0
 PCB's 11097-69-1
 Nitric Acid 7697-37-2
 Hydrogen Fluoride 7664-39-3
 Sodium Hydroxide 1310-73-2

Describe Potential Hazardous Threat

Nearby residents could be exposed to contaminants in air via inhalation of particulates or volatilized metals, and/or PCB's or inorganic contaminants in soil via contact, inhalation or ingestion.

SYL00115867

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Hopkins Street Landfill	Region	9	Site Code	4	EPA ID#	NYD980763890
HS Site Number	HS9025	County	Erie	Was the site ever on the Registry?	Y	Registry #	915011
Site Address	Hopkins Street			Owner	U		
	Buffalo		14220	Operator	U		

Site Description

Used by Buffalo Streets department for disposal of clean fill in early 1970's (approximately 60,000 cubic yards of non-putrescible materials including street rubble, construction & demolition debris, leaves, discard appliances.)

Hazardous Substances Disposed

Beryllium 7440-41-7; chrysene 218-01-9; chromium 7440-47-3; benzo(b)fluoranthene 205-99-2; benzo(k)fluoranthene 207-08-9; benzo(a)pyrene 50-32-8; mercury 7439-97-6; zinc 7440-66-6; arsenic 7440-38-2; cadmium 7440-43-9; copper 7440-50-8; lead 7439-92-1

Describe Potential Hazardous Threat

Given the low permeability and thickness of the Lacustrine deposit, there is limited potential for lateral and/or vertical migration of contaminants from the site within the subsurface. There are two landfills (Republic Steel) adjacent to site, cannot tell where contaminants from. Slightly elevated levels of contaminants found do not appear to pose a significant threat.

Site Name	Houghton Park	Region	9	Site Code	3B	EPA ID#	NYD980506836
HS Site Number	HS9026	County	Erie	Was the site ever on the Registry?	Y	Registry #	915059
Site Address	Clinton Street			Owner	City of Buffalo		
	Buffalo		14202	Operator	Same		

Site Description

The site was used for disposal of foundry sand with phenolic binders from Worthington Corp., along with incinerator ash.

Hazardous Substances Disposed

arsenic 7440-38-2; chromium 7440-47-3
benzo(a)anthracene 56-55-3; chrysene 218-01-9
benzo(a)pyrene 50-32-8; cadmium 7440-43-9
Aroclor 11097-69-1; pyrene 129-00-0

Describe Potential Hazardous Threat

The potential for direct contact exposure to nearby residents and park users to soils contaminated with PAH's, PCB's, and several heavy metals exists. Restrictions to prohibit the future residential use of this is necessary.

Site Name	Hydraulic Canal	Region	9	Site Code	3A	EPA ID#	NYD980506869
HS Site Number	HS9027	County	Niagara	Was the site ever on the Registry?	D	Registry #	932082
Site Address	Buffalo Ave. & 2nd Street			Owner	Multiple		
	Niagara Falls		14303	Operator	Same		

Site Description

A hydraulic canal was filled in, following its collapse, in 1956. Municipal refuse, demolition debris, and other materials were used to fill the canal. It is reported that industrial wastes were dumped here, although the type and quantity of these wastes is unknown.

Hazardous Substances Disposed

Suspected hazardous substances associated with municipal wastes, C&D debris and possible unknown industrial wastes.

Describe Potential Hazardous Threat

The limited data from the groundwater analysis doesn't show any evidence of significant contamination.

Site Name	J.T. Salvage	Region	9	Site Code	4	EPA ID#	NYD981562010
HS Site Number	HS9029	County	Niagara	Was the site ever on the Registry?	D	Registry #	932074
Site Address	1209 Balmer Rd			Owner	J&T Salvage		
	Porter		14174	Operator	Same		

Site Description

The site was used as an auto junkyard. The onsite roads were filled with at least 10 tons of cinders and approximately 5400 cubic yards of fill. Carborundum used this site to dispose of fly ash, fire brick, dust collection fires, kiln furniture, and broken grinding wheels.

Hazardous Substances Disposed

Fused aluminum oxide, landfill

Describe Potential Hazardous Threat

Groundwater is not used as a potable water supply in the area.

SYL00115868

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	James Fox Site	Region	9	Site Code	3A	EPA ID#	NYD980766208
HS Site Number	HS9030	County	Erie	Was the site ever on the Registry?	D	Registry #	915096
Site Address	Gowans Road			Owner	James Fox		
	Angola		14006	Operator	Same		

Site Description

The site was used for disposal of residential and commercial wastes from Angola and the town of Evans. A consent order was issued in 1979 requiring that the LF be operated in accordance to Part 360. Inspections between 1979-1983 indicated leachate problems and uncovered refuse. James Fox completed soil cover and seeded the LF in 1983, however leachate outbreaks were observed in 1987. This site was referred to the Division of Solid Waste on 1/10/92.

Hazardous Substances Disposed

suspected hazardous substances associated with municipal wastes.

Describe Potential Hazardous Threat

Hazardous substance disposal at the site is unknown, however leachate and organic odor have been noted on site.

Site Name	Kozdranski Property	Region	9	Site Code	3B	EPA ID#	None
HS Site Number	HS9031	County	Niagara	Was the site ever on the Registry?	N	Registry #	N
Site Address				Owner	Wheatfield Partnership Inc.		
	Wheatfield		14120	Operator	Walter Kozdranski (deceased)		

Site Description

The site is located in the southwest portion of the Town of Wheatfield. During the time disposal occurred at this site it was owned by Mr. Walter S. Kozdranski, who operated a trucking company that hauled wastes for numerous industrial firms in the Niagara Falls area. Topsoil was initially excavated from this property, which was subsequently utilized for the disposal of industrial waste suspected to have originated from processing operations at the Goodyear Tire and Rubber Company. Two types of waste material are present at the site, a white powder-like material believed to be PVC berries and skins, and yellow-tan resinous waste believed to be accelerator sewer sumps. Numerous drums and drum remnants are observed throughout the site, many of which apparently contained the white powder-like material and the yellow-tan resinous waste. A small area of the site (approximately 5 acres) contains exposed waste, while a second area of similar size is known through test pitting to contain buried waste. A subdivision is located near the site to the north.

Hazardous Substances Disposed

PVC, 2-mercaptobenzothiazole, aniline, diphenylamine, benzothiazole, phenothiazine

Describe Potential Hazardous Threat

A subdivision development planned for the site could result in increased direct contact exposures from the waste if left in their current state. The waste materials have the potential to impact several waterbodies including a NYSDEC designated wetland.

Site Name	LSB Warehousing	Region	9	Site Code	3B	EPA ID#	NYD986886091
HS Site Number	HS9032	County	Erie	Was the site ever on the Registry?	Y	Registry #	915132
Site Address	1995 Electric Ave			Owner	Manufacturers Hanover		
	Blasdell		14219	Operator	Same		

Site Description

The site was used by a trucking firm from 1976 to 1984. It was subsequently abandoned and the property repossessed in 1987. In response to a report of an abandoned and overturned tanker, the Erie County DOH conducted a site walkover. The site has been used as an unauthorized landfill and numerous waste containers were present.

Hazardous Substances Disposed

Lead - 160 mg/kg

PCB Aroclor-1254 - 220 ug/kg

Describe Potential Hazardous Threat

Several inorganic compounds were detected at the site at levels exceeding the established background ranges. The potential also exists for surface water contamination via runoff or groundwater discharge.

Site Name	LaSalle Reservoir	Region	9	Site Code	3A	EPA ID#	NYD980534606
HS Site Number	HS9033	County	Erie	Was the site ever on the Registry?	D	Registry #	915033
Site Address	Parkridge Ave & E. Amherst St.			Owner	City of Buffalo		
	Buffalo		14215	Operator	Same		

Site Description

The site consists of an open quarry now used by the Buffalo Sewer Authority for storm water retention and a recreational park. The park was built on a former portion of the quarry that was filled. The park is actively used by the public. Materials disposed include municipal refuse, incinerator ash, C&D debris, household appliances, tree limbs and paint waste mixed with sawdust, floor sweepings, and refuse from Buffalo Forge Co.

Hazardous Substances Disposed

Lead, pesticides, PAH's and dibenzofuran

SYL00115869

Describe Potential Hazardous Threat

The site studies do not support verification of CR-T-K paint waste disposal. The contaminants in the groundwater are highest in monitoring well

Active Hazardous Substances Waste Disposal Site Inventory

GW-3 which was the presumed upgradient well. The source of contamination may be from an offsite source.

Site Name Lackawanna Landfill	Region 9	Site Code 3B	EPA ID# NYD980506976
HS Site Number HS9034	County Erie	Was the site ever on the Registry? D	Registry # 915094
Site Address Abbott Rd. Lackawanna 14218		Owner City of Lackawanna	Operator U

Site Description

The LF was used to dispose incinerator residue and C&D debris. In 1981 approx. 1070 cu yd of digested and dewatered sewage sludge was disposed in the landfill. This site was referred to the Division of Solid Waste on 6/12/92.

Hazardous Substances Disposed

PAH's, semi VOC's, metals, incinerator residue, sludge

Describe Potential Hazardous Threat

PAH's in surface soils are a direct contact threat because several PAH's are known or probable carcinogens. The potential impacts on groundwater and surface water users are not likely to be significant because there are no identified receptors. The site is unrestricted and some homes are located nearby. Cover problems, improper grades, and access control problems have been reported.

Site Name Lancaster Reclamation	Region 9	Site Code 3B	EPA ID# NYD000513911
HS Site Number HS9035	County Erie	Was the site ever on the Registry? D	Registry # 915069
Site Address 403 Pavement Road Lancaster 14086		Owner Lancaster Reclamation Co.	Operator Same

Site Description

The site was owned and operated by the Lancaster Reclamation Co. The site was used to dispose of industrial wastes, such as a bentonite sludge in a 90% water mixture, a foundry sand slurry containing fine sand, bentonite metal oxides, coke ash, and carbon, a slurry containing cement, asbestos and glass fibers, dust from a shot blast collector system, wall paper production waste containing print waste/prepaste alkali and prepaste polymer, and oil sludges from a bus garage catch basin. This site was referred to the Division of Solid Waste on 6/19/91.

Hazardous Substances Disposed

oil (8002-05-9), PCB's (1336-36-3), phenols (108-95-2), cadmium (7440-43-9), lead (7439-92-1), selenium (7782-49-2), zinc (7440-66-6), asbestos (1332-21-4), 1,1,1 trichloroethane (suspected)

Describe Potential Hazardous Threat

The groundwater results indicate that the site is impacting groundwater quality in the unconsolidated glacial deposits. Soil underlying disposal cells is natural clay. Bentonite clay which has been disposed of in the cells may help contain collected surface water.

Site Name Lehigh Valley RR	Region 9	Site Code 5-RR Yard	EPA ID# NYD000513945
HS Site Number HS9036	County Erie	Was the site ever on the Registry? D	Registry # 915071
Site Address Tift Street Buffalo 14204		Owner Lehigh Valley RR Co.	Operator Same

Site Description

The site is the delisted portion of the Lehigh Valley RR Registry Site. It was operated as a railroad yard until 1976. acid sludge, foundry sand, drums of granular solids, slag, blast furnace materials, and miscellaneous debris were disposed of offsite. The site was at one time a railroad yard. Aboveground fuel tanks were on site. An oil spill occurred in 1981 and left the groundwater to be contaminated with VOC's. The site is the subject of a Voluntary Cleanup Agreement.

Hazardous Substances Disposed

waste oil contaminated with trichloroethane, still bottoms, and other chlorinated solvents copper (7440-50-8), zinc (7440-66-6), lead (7439-92-1), cadmium (7440-43-9), arsenic (7440-38-2), silver (7440-22-4), 4,4'DDD (72-54-8), Aroclor 1260 (11096-82-5), Aroclor 1248 (12672-29-6), phenanthrene (85-01-8), fluorene (86-73-7), acenaphthene (83-32-9), pyrene (129-00-0)

Describe Potential Hazardous Threat

The aboveground storage tanks contained elevated levels of VOC's. The contaminated surface and groundwater may impact the adjacent Tift Farm Cattail Marsh. Groundwater is not used as a drinking water source in the vicinity of the site.

Site Name Leshner Junk	Region 9	Site Code 1	EPA ID# New
HS Site Number HS9037	County Niagara	Was the site ever on the Registry? N	Registry # N
Site Address U Niagara Falls		Owner Leshner Junk	Operator U

Site Description

The site is located in a highly industrial and commercial section of Niagara Falls. It has been operating as a scrap metal dealer since the 1920's. Approx. 94 drums, containing scrap metal are on site.

Hazardous Substances Disposed

Metals

Describe Potential Hazardous Threat

The potential threat of this site is unknown.

SYL00115870

Active Hazardous Substances Waste Disposal Site Inventory

Site Name Lewiston Town Landfill	Region 9	Site Code 3A	EPA ID# NYD099331118
HS Site Number HS9038	County Niagara	Was the site ever on the Registry? D	Registry # 932076
Site Address Harold & Pletcher Roads		Owner Town of Lewiston	
Lewiston	14107	Operator Same	

Site Description

Landfill containing household wastes and crushed battery casings. Site may have been part of a TNT manufacturing facility when previously owned by the U.S. government.

Hazardous Substances Disposed

metals, PCB's and other suspected hazardous substances associated with municipal waste and TNT manufacturing

Describe Potential Hazardous Threat

This site has been referred to the DSW for a proper closure under Part 360.

Site Name Lockport Rd/ Struzik Property	Region 9	Site Code 3B	EPA ID# None
HS Site Number HS9039	County Niagara	Was the site ever on the Registry? D	Registry # 932094
Site Address South of Lockport Rd.		Owner Niagara Falls Church of God	
Wheatfield	14304	Operator Same	

Site Description

An open dump received carbon dust, graphite waste, and paper from Carborundum. The site was used by Bell Aerospace and Carborundum for disposal of scrapwood, flyash, and clay. Mr. Edward Struzik was the property owner at this time.

Hazardous Substances Disposed

Metals

Describe Potential Hazardous Threat

2000 cu yd (carbon dust, graphite waste, and paper), solid and industrial wastes, unauthorized dumping occurred. A minimal threat is posed by the site due to possible direct contact with low levels of metals in the surface soils.

Site Name MacNaughton Brooks	Region 9	Site Code 3B	EPA ID# NY0980507016
HS Site Number HS9040	County Erie	Was the site ever on the Registry? D	Registry # 915034
Site Address 717 Elk Street		Owner Dold Feed Co.	
Buffalo	14210	Operator Gro Green Fertilizer Co.	

Site Description

Mac-Naughton Brooks Co. leased the property from Dold Feed from 1960-74. Paint products were manufactured on site. Mineral spirits used to dilute oil based paints were the principal chemical waste disposed on site during these years, paint sludges and solvents were also deposited. Between 1960 and 1966 approx. 100 gal of waste per year was poured over a pile of C&D debris located behind the southernmost building on site. After 1966 the waste was removed from the site by a contract hauler. Gro-Green Products Inc. now occupies the site. Waste piles accumulate and are removed reportedly every year. This site was referred to the Division of Solid Waste on 6/20/91.

Hazardous Substances Disposed

600 Gal of solvents & paint solvent laden sludges

mineral spirits, toluene (108-88-3), xylene (1300-71-6), mineral spirits, lead (7439-92-1), benzene (71-43-2), cadmium (7400-43-9), chromium, phenanthrene (85-01-8)

Describe Potential Hazardous Threat

The groundwater results were not reliably analyzed and the determination of threat posed cannot be made. However the soils are contaminated and the groundwater is close to the surface in some areas of the site. Surface waters in Buffalo are used for drinking purposes and the Buffalo River is only 1000 feet from the site.

Site Name Machias LF	Region 9	Site Code 3A	EPA ID# NYD982531204
HS Site Number HS9041	County Cattaraugus	Was the site ever on the Registry? D	Registry # 905021
Site Address Franklin Street		Owner Town of Machias	
Machias	14101	Operator U	

Site Description

An inactive LF is flat with slopes to the east and west. Moderate amounts of surface debris exist on site. Private wetland and wildlife preserve exist across the street to the south and west of the site. Lime Lake is less than 1/2 mile north of the site. There is an ongoing investigation at this site.

Hazardous Substances Disposed

Metals, solvents

Describe Potential Hazardous Threat

97 drums of Motorola, Inc. waste were reportedly stored at the site. Some of the drums spilled. Drums may have contained machine oil, sludges, epoxies, solvents, degreasers, metals, and oily waste. Other dumping (agriculture and domestic) may have occurred on site. The groundwater is threatened and long use of surface/groundwater exist in way of lake and ponds in immediate area. Drums that existed on the site have been removed.

Active Hazardous Substances Waste Disposal Site Inventory

Site Name Mina Landfill	Region 9	Site Code 3A	EPA ID# NY0980507081
HS Site Number HS9044	County Chautauqua	Was the site ever on the Registry? D	Registry # 907008
Site Address Cemetery Rd.		Owner Town of Mina	
Mina	14757	Operator Inactive	

Site Description

The site operated as a municipal LF. In 1972 the Chautauqua County BoH served notice that the LF was operating in violation of the sanitary codes of NYS and Chautauqua County HD. Reports of open burning waste was documented in 1976. By 1978 the LF was closed and subsequently covered and seeded. Since that time, reports of leachate outbreaks and uncovered refuse have been documented. This site was referred to the Division of Solid Waste on 6/19/91.

Hazardous Substances Disposed

2 butanone (78-93-3), benzene (71-43-2), toluene (108-88-3), tetrachloroethene (127-18-4), 1,1,1-trichloroethane (71-55-6), phenol (108-95-2), xylenes (1330-20-7), lead (7439-92-1), barium (7440-39-3), chromium (7440-47-3), iron (7439-89-6), zinc (7440-66-6)

Describe Potential Hazardous Threat

The presence of VOC's, phenol, and PCB (Aroclor 1260) is not common for a sanitary landfill, where no hazardous wastes have been dumped. The LF is unlined and has no leachate collection system. In addition, various leachate outbreaks occur around the site.

Site Name N.L. Industries	Region 9	Site Code 1B	EPA ID# NYD980531636
HS Site Number HS9045	County Erie	Was the site ever on the Registry? N	Registry # U
Site Address 3241 Walden Avenue		Owner N.L. Industries	
Depew	14043	Operator N.L. Industries	

Site Description

The site was once a secondary lead-smelter which reprocessed automobile batteries for the removal of lead. Lead wastes were also accepted for secondary smelting. Wastes from the operation were presumably stored on-site prior to disposal.

Hazardous Substances Disposed

anthracene (120-12-7), bezno-anthracene (56-55-3), fluoranthene (205-99-2), pyrene (50-23-8), chrysene (218-01-9), copper (7440-50-8), fluorathene (206-44-0), lead (7439-92-1), 2-methylnaphthalene (91-57-6), naphthalene (91-20-3), phenanthrene (85-01-8), pyrene (129-00-0), zinc (7440-66-6)

Describe Potential Hazardous Threat

Lead residues may pose a health threat to employees of the DOMTAR Corporation now operating on the former N.L. Industries site.

Site Name Nat Fuel, Buffalo Servicenter	Region 9	Site Code 2A	EPA ID# None
HS Site Number HS9046	County Erie	Was the site ever on the Registry? U	Registry # U
Site Address 249 West Genesee Street		Owner National Fuel	
Buffalo	14202	Operator U	

Site Description

This is a former coal gas production site. Waste from the production facility was buried onsite. Based on investigations by the EPA (1992) and National Fuel, National Fuel developed a remedial plan, which was submitted to EPA. Upon approval by the EPA, National Fuel plans to implement the plan.

Hazardous Substances Disposed

coal gas by-products, complexed cyanide, semi-VOCs, VOCs.

Describe Potential Hazardous Threat

The groundwater and soil are contaminated. The location of wells and water supply intakes is unknown.

Site Name New Buffalo Industrial Park	Region 9	Site Code 1A	EPA ID# None
HS Site Number HS9047	County Erie	Was the site ever on the Registry? D	Registry # 915122
Site Address Dingens, Bailey, & S. Ogden Sts.		Owner Buffalo Urban Renewal Agency	
Buffalo	14206	Operator Same	

Site Description

Investigations at the site revealed the presence of various industrial wastes in pockets across the site. However, none of the wastes have even been confirmed to be hazardous under current regulations and testing procedures. Purple/blue sludge, tar deposits, oily soils, and a buried oil tank are the concerns on site. The site has also received significant quantities of fill material. The site has been developed as an industrial park and has various owners.

Hazardous Substances Disposed

Heavy metals and phenol were found on site.

Describe Potential Hazardous Threat

Contamination of heavy metals and phenols occurred. The population is potentially exposed to these contaminants if migration occurs.

SYL00115872

Active Hazardous Substances Waste Disposal Site Inventory

Site Name New Road	Region 9	Site Code 3A	EPA ID# NYD980507149
HS Site Number HS9048	County Niagara	Was the site ever on the Registry? D	Registry # 932083
Site Address New Rd.		Owner NiMo & (PASNY)	
	Niagara Falls 14304	Operator PASNY and (NIMO)	

Site Description

The western portion of the site is owned by NiMo and the eastern portion is owned by PASNY. The City of Niagara Falls owned the property on the eastern side until 1958. The city previously used the parcel for disposal of noncombustible refuse, municipal waste, and incinerator ash during the 1950's. PASNY used the site to dispose of shot rock and associated clean fill. A fishkill in Gill Creek in 1954-55 was attributed to the leachate from the site entering the creek.

Hazardous Substances Disposed

Metals, PCB's, municipal waste, noncombustible refuse, incinerator ash, shot rock and clean fill

Describe Potential Hazardous Threat

Although no documented hazardous waste disposal occurred on site, there are hazardous substances present that could pose a threat to humans and the environment through direct contact with contaminated soils or drinking water. Migration of the contaminants off site is occurring. The site was referred to the DSW on 1/05/93.

Site Name Niagara Falls Business Forms	Region 9	Site Code 1	EPA ID# New Site
HS Site Number HS9049	County Niagara	Was the site ever on the Registry? N	Registry # U
Site Address 5520 Packard Road		Owner Niagara Falls Business Forms	
	Niagara Falls 14304	Operator U	

Site Description

The site is an active printing operation, located in the industrialized section of Niagara Falls. The site was previously owned by Reichold Chemical Inc. Samples taken indicated contamination. Owner states that they have not disposed of any chemicals or other material on the site since they purchased it in 1984 from Reichold, and that all contamination is from previous owners.

Hazardous Substances Disposed

PAH's, chloroform, acetone, mercury

Describe Potential Hazardous Threat

The above chemicals have contaminated the soil local to the site and therefore pose a demonstrable threat to the environment.

Site Name Niagara Junction Railway	Region 9	Site Code 3B	EPA ID# New Site
HS Site Number HS9050	County Niagara	Was the site ever on the Registry? N	Registry # U
Site Address 56th and Pine Avenues		Owner Conrail	
	Niagara Falls 14304	Operator U	

Site Description

The site is a quarter-mile length of railroad track that is the only track exiting Occidental Chemical Corporation and Dupont Chemical Corporation. The possibility of past chemical spills exists.

Hazardous Substances Disposed

acetone, trans 1,2-dichloroethene, 2-butanone, trichloroethene, tetrachloroethene, xylene, PAH's

Describe Potential Hazardous Threat

Surrounding the afore-mentioned section of track the soil is stained, as well as the gravel. Also, the potential for contamination of the drainage stream adjacent to the site exists.

Site Name Olean (alcohol refinery)	Region 9	Site Code 2B	EPA ID# None
HS Site Number HS9052	County Cattaraugus	Was the site ever on the Registry? U	Registry #
Site Address Franklin Street		Owner	
	Olean 14760	Operator	

Site Description

Former wood chemical plant. It is located at the end of a street which no longer exist called Spruce Street. There are no buildings on the former site.

Hazardous Substances Disposed

Wood tar, acetone, methanol, acetic acid, calcium acetate

Describe Potential Hazardous Threat

Wood tar is considered to be carcinogenic

SYL00115873

Active Hazardous Substances Waste Disposal Site Inventory

Site Name Peter Cooper Corporation	Region 9	Site Code 3B	EPA ID# NYD980592547
HS Site Number HS9053	County Cattaraugus	Was the site ever on the Registry? D	Registry # 905003B
Site Address Bently Road Markhams		Owner Peter Cooper Corporations	Operator Same

Site Description

Glue manufacturing residual sludges were transported to this site for disposal. Leachate seeps have been observed at the base of the LF cells. 240 drums were removed in 1989, only one drum contained hazardous waste. This site was referred to the Division of Solid Waste on 11/5/92.

Hazardous Substances Disposed

tannery wastes

Describe Potential Hazardous Threat

GW contamination has been confirmed. Contamination has migrated to an adjacent property(cornfield). A concern remains for the public health and the wet lands adjoining the property.

Site Name Procknal & Katra Trucking	Region 9	Site Code 3B	EPA ID# NYD000514042
HS Site Number HS9055	County Erie	Was the site ever on the Registry? D	Registry # 915085
Site Address 3812 South Park Ave. Blasdel		Owner Procknel & Katra Trucking Co.	Operator N
	14219		

Site Description

Approx. 250,000 cu yds of rubbish were landfilled from 1975-85. The northern portion of the site has been covered and seeded, while the southern end was closed in 1979. The major problem associated with the site are the leachate outbreaks.

Hazardous Substances Disposed

250,000 cu yds rubbish, 300 cu yds sand contaminated with coal tar derivatives(National Fuel Gas), 1000 lbs. lime(approved by NYSDEC)

Describe Potential Hazardous Threat

The site is located in the 100 year flood plain of Smoke Creek. The landfill has been regraded and capped. Inadequacies in the data were identified. The HRS score needs more sampling to be accurate.

Site Name Pyron Metal	Region 9	Site Code 1	EPA ID# New Site
HS Site Number HS9056	County Niagara	Was the site ever on the Registry? N	Registry # U
Site Address 5950 Packard Road Niagara Falls		Owner Pyron Metal Corporation	Operator U
	14304		

Site Description

The site, formerly agricultural, land was developed in 1962. The physical plant occupies 50% of the property with the remainder covered by grass and low shrub vegetation. This site is level, surrounded by industry and does not impact any natural surface waters.

Hazardous Substances Disposed

VOCs, PCBs, metals

Describe Potential Hazardous Threat

Site Name Silbergeld Junkyard	Region 9	Site Code 3B	EPA ID# NYD000514455
HS Site Number HS9057	County Niagara	Was the site ever on the Registry? D	Registry # 932093
Site Address Thirteenth St Niagara Falls		Owner City of Niagara Falls	Operator None
	14302		

Site Description

The site is used for metal recovery and recycling by Hyman Silbergeld Scrap Iron and Metal Co. from 1930's through the mid-1950's. Hooker and Olin Chemical used the site but not for chemical disposal. Currently, the site has piles of rubble and stone. Depth of cover material is unknown. Burial of drums is unconfirmed.

Hazardous Substances Disposed

Metal scraps, alleged chemical dumping

Describe Potential Hazardous Threat

There is no significant threat from this site as elevated levels of contaminants were found only in isolated spots in the subsurface. Only two samples out of nineteen detected lead above 100 ppm in soil.

SYL00115874

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Sm. Boat Harbor/Diked Disposal	Region	9	Site Code	4	EPA ID#	None
HS Site Number	HS9058	County	Erie	Was the site ever on the Registry?	D	Registry #	915127
Site Address	Furhman Blvd. Buffalo		14205	Owner	Niagara Frontier Transportatio	Operator	Same

Site Description

It is believed that the Louisiana St. RR embarkment excavation material, was used as fill on this site. The site contains C&D debris, and dredge fill material. The site is located on the Buffalo Harbor waterfront, adjacent to the Niagara Frontier Transportation Authority's Small Boat Harbour. In 1967 the US Army Corps of Engineers constructed limestone and slag rubble dikes to enclose 23 acres of Buffalo's Harbor for containment of contaminated sediments, dredged from the areas shipping channels. By 1979 the enclosure had been nearly filled. The site has been covered with clean fill and converted into a parking lot. This site was referred to the Division of Water on 12/10/91.

Hazardous Substances Disposed

Metals (lead, mercury, zinc, nickel, chromium), naphthalene, phenanthrene

Describe Potential Hazardous Threat

Despite the high concentration of metals, the dredge spoils did not exhibit the EPToxicity characteristic of hazardous waste. The city plans to develop the adjacent waterfront into a public beach.

Site Name	Springville Landfill	Region	9	Site Code	3A	EPA ID#	NYD074024399
HS Site Number	HS9059	County	Erie	Was the site ever on the Registry?	D	Registry #	915084
Site Address	U Springville		14141	Owner	Village of Springville	Operator	U

Site Description

A municipal landfill on site is suspected to have deposited industrial waste from local plants. Since 1955 the landfill has been used for tree bush disposal, cement, blacktop, and road sweepings. Oily sheens were noticed on site, in standing water. This site was referred to the Division of Solid Waste on 11/1/90.

Hazardous Substances Disposed

Suspected hazardous substances associated with Municipal waste and C&D debris

Describe Potential Hazardous Threat

Ground water may become contaminated due to the absence of a LF liner. Surface water extends to the edge of the landfill where trash is exposed. Groundwater is used as a public water supply in the area. It is unknown if industrial waste has been disposed of in the LF.

Site Name	Stauffer Chemical Whitaker	Region	9	Site Code	3B	EPA ID#	NYD980507321
HS Site Number	HS9061	County	Niagara	Was the site ever on the Registry?	D	Registry #	932034
Site Address	Mt. Road Lewiston		14092	Owner	Stauffer Chemical	Operator	Same

Site Description

This site is the northern extension of Love Canal and consists of Land 1169, 1175, 1179, 1182, 1144, 1143, 1140, 1146, 1141. (surrounding homes #) All residential parcels but one have been delisted. Actions to delist the remaining parcel are underway.

Hazardous Substances Disposed

VOC's, SVOC's, metals, PCB's, various hazardous substances

Describe Potential Hazardous Threat

Many substances were found through sampling. Contravention of standards in groundwater, surface water, and waste samples. None of the samples exceeded regulatory limits for RCRA hazardous waste characteristics. State and federal standards were exceeded in both groundwater and surface water. The site was delisted and referred to the DOW for further necessary action for the contravention of groundwater and surface water standards.

Site Name	Times Beach	Region	9	Site Code	5	EPA ID#	NYD980535330
HS Site Number	HS9062	County	Erie	Was the site ever on the Registry?	D	Registry #	915080
Site Address	Fuhrmann Blvd. Buffalo		14207	Owner	City of Buffalo	Operator	Same

Site Description

A 51 acre site where 30 acres received dredged spoils and 21 acres was occupied by an open water lagoon. The site received the dredge spoils from the Buffalo River, Harbor, and Black Rock Canal. The disposal area is located on a peninsula adjacent to the Buffalo River and Harbor, which is used as a shipping lane by commercial freighters.

Hazardous Substances Disposed

low PCB's, benzopyrene, aniline, 2-ethylhexyl phthalate

Describe Potential Hazardous Threat

Possible surface and groundwater contamination. Unfiltered groundwater samples contain high levels of contamination. No bioaccumulation in higher food web organisms is evident. Some metal accumulation in spiders, and PCB's in fish.

SYL00115875

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Town of Evans LF	Region	9	Site Code	3A	EPA ID#	NYD000513820
HS Site Number	HS9064	County	Erie	Was the site ever on the Registry?	D	Registry #	915110
Site Address	Holland Road Evans		14006	Owner	Ed Ball	Operator	Same
Site Description							
The two sites consist of 6 distinct areas of fill. Areas 1,2,& 3 are considered the Ed Ball Sanitation site(915106) and areas 4, 5, and 6 comprise(915110) the Town of Evans Landfill site. Areas 1 & 2 have been covered with topsoil and planted with grasses. In area 4, most of the site is covered with grass, with exposed municipal waste on some parts. Areas 3, 5, & 6 are wooded areas adjacent to wetlands. A single Phase 2 Investigation was completed on both these sites. A map of the sites can be found in the files for the Hazardous Substance Waste Disposal Site Study. This site was referred to the Division of Solid Waste on 7/12/91.							
Hazardous Substances Disposed							
148,000 cu yd municipal waste- aluminum (7429-90-5), iron (999-1309-37-1), manganese (7439-96-5), lead (7439-92-1), cobalt (999), barium (7440-39-3)							
Describe Potential Hazardous Threat							
The results of the surface water sampling indicate a potential current release off site to the surface water. The types and concentrations of organic and inorganic compounds detected are consistent with the sites former use as a municipal solid waste landfill and indicate potential contamination problems in both the surface waters and the surface soils.							
Site Name	Town of Harmony Landfill	Region	9	Site Code	3A	EPA ID#	None
HS Site Number	HS9065	County	Chautauqua	Was the site ever on the Registry?	N	Registry #	N
Site Address	Swede Road Harmony		14767	Owner	Town of Harmony	Operator	Chautauqua County DPW
Site Description							
Town of Harmony owns 8 acre property of which approximately 4 acres have been landfilled. Chautauqua County assumed operation of site from Town and utilized the landfill form about 1973-1975.							
Hazardous Substances Disposed							
Suspected hazardous substances associated with municipal wastes; unmarked barrels of waste reportedly disposed also. Quantities unknown.							
Describe Potential Hazardous Threat							
Contaminants in groundwater pose threat to this resource. Chautauqua County DOH survey identifies several private drinking water wells located within 1/2 mile of the site. Surface water tributary adjacent to site visually stained by landfill leachate.							
Site Name	Town of North Collins LF	Region	9	Site Code	3A	EPA ID#	NYD000513762
HS Site Number	HS9066	County	Erie	Was the site ever on the Registry?	D	Registry #	915104
Site Address	Route 62, Lenox Road Collins		14034	Owner	Town of Collins	Operator	Same
Site Description							
The site was used for the disposal of residential and commercial refuse.							
Hazardous Substances Disposed							
Suspected hazardous substances associated with municipal wastes (commercial and residential)							
Describe Potential Hazardous Threat							
It is recommended that attention be given to the poor cover of the landfill, to decrease the potential for leachate generation. The levels of contaminants found do not pose a threat to the environment or the population, yet if the towns potable water source were to become contaminated this would not be the case. A liner system was not part of the design.							
Site Name	Union Carbide Corporation	Region	9	Site Code	1B	EPA ID#	NYD980532410
HS Site Number	HS9067	County	Niagara	Was the site ever on the Registry?	N	Registry #	U
Site Address	400 Forty-seventh Street Niagara Falls		14304	Owner	Niacet Corporation	Operator	U
Site Description							
The site, formerly owned by Union Carbide, was sold to the Niacet Corporation in 1978. Union Carbide produced many chemicals, including pesticides. Most chemicals were stored in 55-gallon drums for a 24 month period and then hauled from the facility. It isn't known if the drums were stored properly.							
Hazardous Substances Disposed							
2-ethylhexoate, mercury/aluminum sludge, acetate salts, acetic acids 64-19-7, spent degreasers.							
Describe Potential Hazardous Threat							
The plant produced a variety of wastes including mercury/aluminum sludge, spent degreasers and overflows from vinyl division that create a potential for soil, ground and surface water contamination at the site.							

SYL00115876

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Valeo Engine Cooling	Region	9	Site Code	1A	EPA ID#	None
HS Site Number	HS9068	County	Chautauqua	Was the site ever on the Registry?	N	Registry #	N
Site Address	2244-2258 Allen St. Ext. Ellicott		14702	Owner	Valeo Engine Cooling		
				Operator	U		

Site Description

Facility is located in an industrialized area. Previously owned by Blackstone which manufactured washing machines and later auto parts. Industrial operations began in 1919. An environmental audit in 1991-93 determined several potential problems; e.g. 10,000 gal. underground storage tank for naptha, hydraulic press pits, spills, chemical bulk storage, etc.

Hazardous Substances Disposed

Lead 7439-92-1

Describe Potential Hazardous Threat

Site is located near a principal aquifer system.

Site Name	Ventry Property	Region	9	Site Code	1B	EPA ID#	None
HS Site Number	HS9069	County	Niagara	Was the site ever on the Registry?	U	Registry #	932819N
Site Address	2637 Niagara Falls Blvd Wheatfield		14304	Owner	Ronald Ventry		
				Operator	U		

Site Description

Commercial property. Suspected OCC Durez Division Waste encountered in 1990 by town sewer and water crew making connections to building on property. Area also encountered in early 1980's by contractor installing major sewer line. Engineering company records "missing" for this segment of sewer work.

Hazardous Substances Disposed

Dibenzofuran 132-64-9, 4-Chlorophenyl-phenylether 7005-72-3, Fluorene 86-73-7, Phenanthrene 85-01-8, Pyrene 129-00-0, Benzo(A)Anthracene 56-55-3, Fluoranthene 206-44-0, Chrysene 218-01-9, Benzo(B)Fluoranthene 205-99-2, Benzene(A)Pyrene 50-32-8

Describe Potential Hazardous Threat

Adjacent to Sawyer Creek, county-run park boundary within 500 feet.

Site Name	WL McDougall Co.	Region	9	Site Code	1B	EPA ID#	NYD980531693
HS Site Number	HS9070	County	Erie	Was the site ever on the Registry?	N	Registry #	U
Site Address	Elk and Prenatt Streets Buffalo		14210	Owner	Samuel Kliner		
				Operator	World Auto Parts		

Site Description

The WL McDougall Co. was an industrial lead products manufacturer. Beginning 12/31/85 the site has been occupied by World Auto Parts. The site contains more than 150 drums that appear to be empty and corroded.

Hazardous Substances Disposed

lead 7439-92-1

Describe Potential Hazardous Threat

It could not be determined by the off-site reconnaissance if there were any lead-bearing materials disposed of or stored on site. The potential for human exposure exists if the lead is in the form of dust and becomes windblown.

Site Name	West Seneca Transfer Station	Region	9	Site Code	3A	EPA ID#	NYD980535520
HS Site Number	HS9071	County	Erie	Was the site ever on the Registry?	D	Registry #	915039
Site Address	Mineral Springs Rd West Seneca		14224	Owner	Town of West Seneca		
				Operator	Same		

Site Description

Inactive municipal landfill. Incinerator built on site in 1950's, operated to 1970. Ash and cinder landfilled on site. 1985 site inspection found 25 drums in various state of decay, located in the drainage channel in the NW portion of the site. Drums were removed by the town. Site is currently used for brush disposal and office for the town.

Hazardous Substances Disposed

Suspected hazardous substances associated with municipal and incinerated waste

Describe Potential Hazardous Threat

Unknown

SYL00115877

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Weston Mills	Region	9	Site Code	1A	EPA ID#	NYD980535546
HS Site Number	HS9072	County	Cattaraugus	Was the site ever on the Registry?	D	Registry #	905009
Site Address	Rt. 417 Portville		14770	Owner	U.S. Small Business		
				Operator	U		
Site Description							
Hazardous substances from previous dumping and groundwater contamination from spilled fuel oils are still present on site. This site was referred to the Division of Water on 10/7/91. A State Superfund RI has been completed as well as a Phase 2 inspection.							
Hazardous Substances Disposed							
Suspected hazardous substances associated with municipal waste, mercury							
Describe Potential Hazardous Threat							
Contamination is present on site which can be traced both to petroleum storage tanks and to the old landfill. The site is having an impact on the creek. Groundwater is used as a source of drinking water in the immediate area.							
Site Name	Winsmith Div.-UMC Corp.	Region	9	Site Code	3B	EPA ID#	NYD002123552
HS Site Number	HS9073	County	Erie	Was the site ever on the Registry?	Y	Registry #	915058
Site Address	172 Eaton St Springville		14141	Owner	HK Porter Co. Inc.		
				Operator	Same		
Site Description							
The facility has been operated by several different corporations: Essex (1901-24), Winfield H. Smith, Inc. (1924-46), Winsmith Inc. (1946-63), Winsmith, Div. of UMC Inc. (1963-84), Unidynamics-Winsmith, Div. of Unidynamics Corp. (1984-86) and Peerless Winsmith (1986-present). Facility manufactures speed reducers, gears, and other related parts. Plant historically generated the following types of waste: steel fines, grinding finds mixed with waste coolant oil and water, kolene heat treatment spillage (a salt material containinf sodium cyanide), hydrochloric acid neutralized with sodium hydroxide (some iron present), machine cutting and cooling oils, dried paint filters and general industrial wastes.							
Hazardous Substances Disposed							
Toluene (108-88-3), ethylbenzene (100-41-4), chrysene (218-01-9), arsenic (7440-38-2), chromium (7440-47-3), copper (7440-50-8), aroclor 1260, lead (7439-92-1), mercury (7439-97-6), nickel (7440-02-0), silver (7440-22-4)							
Describe Potential Hazardous Threat							
There is a potential threat that the wastes could impact the primary drinking water aquifer that services the village of Springville.							
Site Name	Witmer Rd. Drive In	Region	9	Site Code	3B	EPA ID#	None
HS Site Number	HS9074	County	Niagara	Was the site ever on the Registry?	N	Registry #	N
Site Address	4287 Witmer Rd. Niagara(T)		14300	Owner	Various		
				Operator	Same		
Site Description							
The area in question has been developed as an industrial park. Aerial photographs suggest that dumping may have occurred prior to 1938 and continued through at least 1966. The majority of the site contains a white lime like powder dumped directly on the ground surface, phenolic resin, black foundry sand, and an unidentified black material is known to exist in the northeast portion of the site. The industrial park has been completely developed and little trace of surface waste material is visible. It is not know if the material is under the building and parking lots or was removed during construction.							
Hazardous Substances Disposed							
ethylbenzene, phenol, lead, 2,3,7,8-TCDD (dioxin), xylenes, 2-butanone, toluene, dichlorobenzene, chromium							
Describe Potential Hazardous Threat							
Direct contace exposures with waste materials; waste materials have been excavated and further exposed during industrial park development.							
Site Name	64th Street North	Region	1	Site Code	1	EPA ID#	NYD980507206
HS Site Number	HS9076	County	Niagara	Was the site ever on the Registry?	Y	Registry #	932085A
Site Address	North of Niagara Falls Blvd Niagara Falls			Owner			
				Operator			
Site Description							
The site encompasses approximately 15 acres north of Niagara Falls Boulevard (Pine Avenue) and is bisected just west of the north-south centerline by Interstate I-90. It is bounded on the north by the Niagara Mohawk easement, Sabre Park Trailer Court and CECOS (NECCO) landfill. The Site extends several hundred feet west of the Connecting Road and 650 feet east of 70th Street. A number of commercial and industrial businesses exist on or near the site, a trailer court exists to the north and east of the site. Large relatively flat open fields and wetlands comprise much of the undeveloped portions of the site. Some of this is NYSDEC classified Level II wetlands.							
Hazardous Substances Disposed							
The soils contain elevated levels of lead, mercury, n-nitrosodiphenylamine and numerous pesticides.							
Describe Potential Hazardous Threat							
Concentrations of 260 ppm of n-nitrosodiphenylamine were observed in the subsurface soil and 41 ppm in the surface soil at the site. A pesticide, B-BHC, was found in every site surface water sample at concentrations up to 0.18 ppb, in excess of the standard of 0.01 ppb. This site is considered to pose a significant threat due to the presence and potential to migrate of the hazardous substances .							

Active Hazardous Substances Waste Disposal Site Inventory

Site Name	Allied Chemical-Elberta Works	Region	9	Site Code	1	EPA ID#	NYD002128544
HS Site Number	HS9077	County	Niagara	Was the site ever on the Registry?	Y	Registry #	932003
Site Address	3119 Randall Road			Owner	Paul R. Fedkiw		
	Wilson		14131	Operator			

Site Description

The site is an old aluminum chloride manufacturing plant. The site is currently used as a warehouse for EVA Corporation, a pet supply company. Hazardous waste disposal has not been documented. However, the disposal of hazardous substance including hexachlorobenzene has been confirmed.

Hazardous Substances Disposed

Various levels of elevated hexachlorobenzene, cobalt, lead, nickel, copper and hexachlorobutadiene.

Describe Potential Hazardous Threat

Elevated concentrations of organic chemicals, including hexachlorobenzene up to 640,000 ug/kg, have been found in sub-surface soil at the site. If these contaminants are brought to the surface where the public could be exposed to them, they may pose a public health concern.

APPENDIX C

LIST OF CONTAMINATED AQUIFER SEGMENTS

SYL00115880

CONTAMINATED AQUIFER SEGMENTS THAT REQUIRE INVESTIGATION TO IDENTIFY THE SOURCE(S) OF THE CONTAMINATION

Region One:

Boyle Road - Selden
Brookhaven Road
Dock Road
East Patchogue, Bellport Area
Friendship Drive
Halsey Lane
Jericho Turnpike
Lincoln Ave.
Merrick Road
Miller Ave.
Wards Lane

Region Three:

East of Brewster
Green Lane, Mt. Kisco
Union Valley Road
Vicinity of 7 - UP, New Rochelle

Region Seven:

Davis Avenue Well Field
Johnson City Well #6/7
Olmstead Well Site
South Street Well Field

Region Nine:

Cadiz - TCE Study Area

APPENDIX D

COST ESTIMATE WORKSHEETS

SYL00115882

Hazardous Substance Study Cost Categories

1.	Industrial Sites	\$3,800,000/site
	a. Spill	
	b. Leak	
2.	Coal Gasification Sites	\$6,000,000/site
	a. Wood Tar	\$6,000,000/site
3.	Landfill Sites	
	a. Municipal	\$209,000/acre
	b. Industrial	\$209,000/acre
4.	C&D Sites	\$209,000/acre
5.	Other sites	\$3,800,000/site

Industrial and 'Other' Sites

Approach:

The estimated average cost of remediating an industrial hazardous substance site is assumed to equal the average per site cost of inactive hazardous waste sites. Actual site remediation cost data for inactive hazardous waste sites were used to compute an average per site cost. This average includes all State Superfund sites which have a completed Record of Decision (ROD) specifying the course of action to be taken to remediate the site. When actual cost data was unavailable, the most recent cost estimates available were used in computing an average per site cost. This per site cost includes the cost of the Remedial Investigation/Feasibility Study (RI/FS), the Remedial Design (RD), the Remedial Action (RA) and the cost of any Interim Remedial Measures (IRM).

Results:

Are detailed on the attached chart. The average remediation cost is estimated at \$3,800,000.

Actual Costs for State Superfund Sites

Aug. 1998

		RI/FS Amount	Design Amount	Const. Amount	IRM Amount
152033	Dzus Fastener	835,350	159,522	1,078,953	
152077	ServAll Laundry	866,350	1,266,483	1,712,843	
203003	Hexagon Laboratories				754,396
314003	Schatz Federal Bearing	596,764	1,225,892	2,910,689	
314008	NOW Corporation	784,799	336,772	904,276	
314074	Schatz Plant	681,809	54,399	539,752	223,005
336014	Warwick Landfill				42,458
336035	Tuxedo Waste Disposal	806,600	809,423	3,824,670	
340006	Marathon Battery				170,957
340011	Cross Co. Sanitary Landfill	906,648	487,994	1,809,162	249,016
340013	Mahopac Business District	474,263	69,613	1,044,266	313,751
344018	Spring Valley	565,397			
344036	Swivelier Company	690,317			
344040	Hand Battery Lab				568,493
356014	Napanoch Paper Mill	724,994	146,510	2,170,676	17,738,148
356019	Mead Property	1,209,108			28,391
356023	Mohonk Road Industrial Park				714,960
360005	Armonk Private Well	517,977	689,173	579,893	74,290
360006	Bedford Village Well	932,330	469,680	1,766,868	427,886
360009	Bedford Village Well			1,504,322	
360024	Marx Residence				524,812
401037	Perfection Plating	440,322	187,234	429,277	
413001	Kerry Chemical	657,032	356,194		
420002	American Valve	919,954			178,232
420007	Becker Electronics	1,300,296			
442021	Storonske Cooperage			1,038,861	100,000
442024	Roxy Cleaners	635,552	474,000	900,128	547,964
447018	United Plating	1,061,700			
510008	Philmar Electronics	538,751	358,646	402,928	
510017	Cumberland Bay	607,922			422,523
516002	Old Ticonderoga Landfill				354,575
518014	Korkay, Inc.	597,497		190,017	
546023	Waite Road Site				222,315
546024	Route 146A Barrel Site			939,176	
558001	Fort Edward Landfill		1,258,434	6,800,006	
558008	Kingsbury Landfill		1,007,784	7,663,730	
623006	Abe Cooper Surplus	450,702	129,774	825,142	
623009	Bomax Manufacturing				160,645
623010	Crown Cleaners				455,675
633027	Primoshield, Inc.			538,850	
645013	North Lawrence	1,046,430	606,016	1,226,137	
645014	Sealand Restoration	480,437		14,678,856	
704019	Gorick Dump				686,650
704021	Almy Brothers	599,302		2,131,005	
709005	Novak Farm				3,305,377
709009	Gladding Corporation	506,639	442,538	359,571	42,140
734029	Old Syracuse Die Casting	9,533		260,378	194,720
734035	Abandoned Pompey Solvent	803,807			91,563
738002	Abandoned Milk				11,755
738012	Columbia Mills			1,980,082	
754012	Tioga Casting	277,845		472,008	
754015	Owego West Main Street	100,000			131,149
808006	Townley Hill Road				37,806
808019	U.S. Steel; Bendix	744,271			

SYL00115885

Actual Costs for State Superfund Sites

Aug. 1998

		RI/FS Amount	Design Amount	Const. Amount	IRM Amount
819014	Lehigh Valley Railroad	1,768,426			
828016	Dearcop Farm	1,192,230			100,000
828040A	Sweden 3; Chapman	1,010,443	296,041		2,914,687
828079	Stuart-Olver-Holtz	751,150			
828084	Autohaus of Rochester				353,514
828088	Davis-Howland Oil Corp.	574,652			
837006	Haight Farm	310,994			
849002	North Franklin Street	695,312	336,717	752,333	
851007	Urbana Landfill	728,418			
851009	Former GE at Hornell	695,695		405,782	
859009	Barker Chemical			3,820,222	
902004	Wellsville-Andover Landfill	870,190		6,484,423	
905008	Van Der Horst	1,100,046	178,234	3,385,457	
905022	Van Der Horst	1,289,348	136,662	1,664,785	
907010	Pelican Manufacturing	445,463	50,052	631,744	
915031	River Road Site	445,881			
915036	Madison Wire Co.	667,322	352,760	4,071,112	
915043	Pfohl Brothers	3,004,759			3,555,086
915044	Polymer Applications	749,358			
915066	Westinghouse Electric	1,003,192			
915124	Diarsenol Co.	150,711		116,625	1,766,200
915128	Union Road Site	1,571,342			
915145	Lehigh Industrial	500,662	130,608	764,049	
915146	Niagara Transformer		301,497	5,854,574	
915157	Mr. C's Dry Cleaners	528,509			
932020	Love Canal	53,930			
932043	Frontier Chemical - Pendleton	873,962			
932060	Gratwick-Riverside Park	764,325			
932096	Solvent Chemical	775,578			
932099	Schreck's Scrapyard	406,008		2,190,767	
932100	Booth Oil Co.	766,341			
961008	Robeson Industries, Inc.		169,999	587,885	
	TOTAL	46,064,945	12,488,651	91,412,280	37,463,139
	AVERAGE	755,163	430,643	2,176,483	435,618

Total Average Cost for a Site:

RI/FS	755,163
Design	430,643
Construction	2,176,483
IRM	435,618
TOTAL	3,797,907

-RI/FS, Design and IRM based on completed projects. Construction based on projects completed or under way.

-The IRM average cost is the total of the IRM column divided by all 86 sites on the list to reflect the fact that not all sites require an IRM.

-Construction and IRM costs include construction oversight.

SYL00115886

Coal Gasification Sites

Approach:

The Public Service Commission (PSC) oversees gas and electric utilities which are responsible for creating approximately 120 of 150 known coal tar sites. The PSC is tracking the estimated cost of remediating coal tar sites owned by nine utilities. Since these utilities will be trying to recover the cost of remediating these sites by rate increases, the PSC has asked the utilities to provide cost estimates for individual sites.

Although these utilities own a total of 120 coal tar sites, cost estimates have been provided to the PSC for 82 of them to date. Two of the nine utilities have not yet provided any cost information. The average estimated cost per coal tar site used in this study has been developed using PSC's data.

The average includes the 82 sites for which estimates have been given. Cost estimates include all costs identified by the utilities, including costs associated with Preliminary Site Assessments, Interim Remedial Measures, Remedial Investigation/Feasibility Studies, Remedial Designs, Remedial Action and, in one case, NYSDEC oversight. Although the size of the data base is relatively large (cost data for 82 sites), all cost estimates are considered by both the PSC and the utilities to be tentative and subject to change.

Results:

Coal Gasification Cost Estimate

Utility	Total No. of Sites	Sites With Cost Estimates	Total Cost	Average Cost per Site
Brooklyn Union Gas	16	2	\$34,000,000	\$17,000,000
Central Hudson Gas & Electric	8	0	N/A	N/A
Consolidated Edison of NY, Inc.	13	2	\$5,000,000	\$2,500,000
Long Island Lighting Co.	7	6	\$50,700,000	\$8,450,000
National Fuel Gas Distribution Corporation	7	6	\$11,450,000	\$1,908,333
Niagara Mohawk	24	24	\$321,500,000	\$13,395,833
NYS Electric & Gas	38	38	\$49,600,000	\$1,305,263
O&R	7	0	N/A	N/A
Rochester Gas & Electric	6	4	\$22,000,000	\$5,500,000
TOTAL	125	82	\$494,250,000	\$6,027,439

Average Cost Per Site = \$494,250,000/82 or \$6.0 million

The estimated average cost used for each coal tar site is the average site cost of \$6.0 million.

SYL00115808

Wood Tar Sites

Approach:

Wood tar sites have been designated as a subcategory of coal tar sites because these two categories of sites have many similarities. The wastes found at wood tar sites are chemically similar to wastes found at coal tar sites. However, wood tar sites are in a category separate from coal tar sites because viable responsible parties are not likely to be available to fund the cleanup of wood tar sites. The cost of remediating the wood tar sites would be borne by the State. However, electric utility companies are liable for most of the coal tar sites in New York State and are currently funding investigation at many of these sites.

The Kerry Chemical site is a very large wood tar site that is currently in the remedial process under the inactive hazardous waste remediation program. The wood tar wastes were designated as hazardous waste because they contain creosote. Current estimates of the total cost of this cleanup are over \$10 million. This cost is considered to be higher than the expected cost of an average wood tar site. Not only is the site exceptionally large, but the selected remedy, on-site thermal destruction of the wastes, is costly. Therefore, the lower cost average of \$6.0 million, which was used for the coal tar sites, has also been used for the wood tar sites.

Results:

The estimated average cost used for each wood tar site is the average cost of a coal tar site, or \$6.0 million.

Average Cost Per Site = \$6.0 million

Landfills

Approach:

All landfills are closed in accordance with 6NYCRR Part 360 regulations, whether the waste disposed in the landfill is solid waste, industrial waste or hazardous waste. However, many factors influence the cost of landfill closures, such as site conditions, the size of the landfill, the availability of materials for the landfill cap and the extent of groundwater contamination.

Three categories of landfill sites have been identified in this study: landfills containing primarily municipal wastes; landfills containing primarily industrial wastes; and landfills which contain construction and demolition debris (C&D). Although the landfills in these categories may differ in size, ownership and the type of waste contained, all are closed under the same regulations. While both industrial landfills and C&D landfills are likely to be privately owned, ownership does not affect the landfill closure requirements. Municipal landfills are probably larger than industrial or C&D landfills, yet each site will have the initial investigation and mobilization costs associated with all closures and the costs will primarily be based upon the size of the landfill cap.

Therefore, the average cost for this category has been developed on a "cost per acre" basis, rather than "cost per site". The estimated average cost for all landfill categories was computed using actual cost data from landfill closures completed to date under two State municipal landfill closure programs. These two programs are the Title 3 program for the closure of municipal landfills containing hazardous waste and the Title 5 Non-hazardous Municipal Landfill Closure Program. Landfills owned by municipalities were used since the costs for each were readily available and provide a consistent means for comparison.

All of these costs reflect closure under the 1988 6NYCRR Part 360 regulations because the landfills had stopped accepting waste prior to 10/9/93. Landfills which accepted waste after 10/9/93 will be closed under the 1993 6NYCRR Part 360 regulations which are more stringent. While it is recognized that the more stringent regulations will add to the cost of landfill closures, the additional costs cannot be determined at this time.

Results:

Title 5 Landfills:

Cost data for municipal landfills which do not contain hazardous waste were obtained from the Title 5 Non-hazardous Municipal Landfill Closure Program. Only those landfill closures which had been completed were included so that total costs could be identified. Costs for twenty-two (22) non-hazardous municipal landfill closure projects were included. The calculation of the cost per acre is as follows:

Title 5 Summary
Calculation of Average Cost Per Acre

<u>Reg</u>	<u>Facility Name</u>	<u>ID No.</u>	<u>Project Amt.</u>	<u>Acreage</u>	<u>Cost/Acre</u>
1	North Sea LF	52S13	\$ 5,900,000	14.00	\$ 421,429
3	Beekman LF	14S06	975,000	9.00	108,333
3	Montgomery LF	36S01	1,597,243	21.00	76,059
4	Ancram LF	11S20	1,246,437	3.10	402,076
4	Claverack LF	11S28	4,789,205	16.00	299,325
4	Otsego LF	39S50	1,717,077	7.00	245,297
4	Laurens LF	39S50	247,206	2.60	95,079
4	Duanesburg LF	47S20	1,067,819	9.00	118,647
4	Conesville LF	48S28	571,220	3.50	163,206
5	Mayfield LF	18S09	1,261,500	13.07	96,519
5	Hadley LF	46S11	580,500	7.50	77,400
6	LeRay LF	23S06	1,916,668	16.00	119,792
6	Adams LF	23S01	777,129	4.00	194,282
6	SWOCO LF	33S09	2,461,687	17.77	138,531
6	Canton	45S03	2,117,041	19.00	111,423
7	Chenango LF(1&2)	04S01	1,238,341	11.60	106,754
7	Nanticoke LF	04S07	10,850,105	105.00	103,334
7	Elbridge LF	34S06	1,500,000	14.20	105,634
7	Manlius LF	34S10	3,216,500	33.00	97,470
7	Barton LF	54S01	989,111	12.20	81,075
8	Arcadia LF	59S02	2,072,929	18.00	115,163
9	Southtowns (Ash)	15S64	<u>395,976</u>	<u>1.00</u>	395,976

\$47,488,694 357.54

Average Cost Per Acre = \$47,488,694/357.54 or \$133,000/acre

Title 3 Landfills:

Cost data for landfills containing hazardous wastes were obtained from the inactive hazardous waste remediation Title 3 program. Hazardous waste landfills which were at or near the construction stage were used so that the complete cost of remediation, from investigation through construction, could be included in the average cost. Ten municipal landfills met this criteria. Although construction had only been completed at two of these sites, the remaining eight landfills had either started construction or were scheduled to start in fiscal year 1994-95. Therefore, actual costs were supplemented by either bid amounts or reliable construction estimates. The calculation of the cost per acre is as follows:

Title 3 Summary Calculation of Average Cost Per Acre

<u>Site No.</u>	<u>Site Name</u>	<u>Total Cost</u>	<u>Acreage</u>	<u>Cost/Acre</u>
1-52-002	Blydenburgh LF	\$20,698,900	42	\$492,831
1-52-052	North Sea LF	4,611,600	11	419,237
3-36-019	New Windsor Town LF	4,539,000	11	412,637
3-44-004	Ramapo Landfill	17,153,761	60	285,896
3-60-001	Croton Pt. San. LF	32,283,556	116	278,307
5-10-005	Clinton County LF	1,978,700	12	164,892
6-22-001	GFIM	5,734,541	37	154,988
7-04-013	Conklin Dump	1,649,937	8	206,243
7-34-031	Van Buren LF	3,156,112	16	197,257
9-32-010	Lockport City LF	<u>4,168,485</u>	<u>16</u>	260,531
		\$95,974,592	329	

Average Cost Per Acre = \$95,974,592/329 or \$292,000 per acre

Combined Average Landfill Costs

The average cost calculated for landfills is a combination of landfill closure costs from both the Title 3 and Title 5 municipal landfill closure programs.

	<u>Acres</u>	<u>Total Cost</u>
Title 3	329	\$ 95,974,592
Title 5	<u>358</u>	<u>47,488,694</u>
	687	\$143,463,286

\$208,825 or **\$209,000/acre**

The average cost of a landfill closure was calculated using the average cost per acre of \$209,000 multiplied by the landfill acreage.



ASBESTOS PROJECT/
AIR MONITORING DURING
ASBESTOS ABATEMENT

140 CANTIAGUE ROCK ROAD
HICKSVILLE, NEW YORK
NYSDEC: V00089-1

Prepared for:
GTE Operations Support Incorporated
600 Hidden Ridge Drive
Irving, Texas 75038

June 2, 2003

SYL00116140



ASBESTOS PROJECT/
AIR MONITORING DURING
ASBESTOS ABATEMENT

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Irving, Texas 75038

June 2, 2003

SYL00116140

REPORT FOR
ASBESTOS PROJECT/AIR MONITORING
DURING ASBESTOS ABATEMENT

AT

140 CANTIAGUE ROCK ROAD
HICKSVILLE, NEW YORK
NYSDEC: V00089-1

Prepared for:

GTE OPERATIONS SUPPORT INCORPORATED
600 Hidden Ridge Drive
Irving, Texas 75038

June 2, 2003

URS CORPORATION – NEW YORK

1515 Broadway, 35th Floor
New York, New York 10036
URS PROJECT NO: 27010-039

SYL00116141

REPORT FOR
ASBESTOS PROJECT/AIR MONITORING
DURING ASBESTOS ABATEMENT

AT

140 CANTIAGUE ROCK ROAD
HICKSVILLE, NEW YORK
NYSDEC: V00089-1

Prepared for:

GTE OPERATIONS SUPPORT INCORPORATED
600 Hidden Ridge Drive
Irving, Texas 75038

June 2, 2003

URS CORPORATION – NEW YORK
1515 Broadway, 35th Floor
New York, New York 10036
URS PROJECT NO: 27010-039

SYL00116141

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SYL00116142

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APPENDIX F	NON-HAZARDOUS WASTE MANIFESTS

Executive Summary

URS Corporation (URS) was retained by GTE Operations Support Incorporated (GTEOSI) to conduct asbestos abatement project monitoring, air monitoring, and related abatement oversight services during the removal of asbestos-containing material (ACM) at 140 Cantiague Rock Road in Hicksville, New York.

The work involved the abatement of asbestos-containing built-up roofing, roof flashing and caulking from the far east section of the roof of the building. Specifically the work location, quantities and dates of removal are listed below:

Building Address	ACM Description	ACM Quantity	Dates of Removal
140 Cantiague Rock Road	Built-up roof and roof flashing	5,000 SF	2/25/03 through 2/27/03
	Caulking around skylights	48 LF	

Notes:

SF – Square Feet

LF – Linear Feet

Asbestos abatement was conducted by Fiber Control, Inc., of 3010 Burns Avenue, Wantagh, New York, acting as a subcontractor for Iron Eagle Environmental Services. Fiber Control is a licensed New York State Department of Labor (NYSDOL) asbestos removal contractor; license number 99-0723.

Abatement operations, abatement project monitoring and abatement oversight services were performed in accordance with New York State Department of Labor's Industrial Code Rule 56, Applicable Variance (AV) No. 119. URS provided a licensed New York State Project Monitor on a daily basis throughout the duration of the abatement activities. The project monitoring services were provided from February 25 through February 27, 2003.

ACM waste material was packaged in accordance with the Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1926.1101, the United States Department of Transportation (DOT) Standard 49 CFR 171, 172, and 173, the Environmental Protection Agency (EPA) Standard 40 CFR Part 61 and the New York State Department of Conservation (NYSDEC) regulations in relation to the transport, storage, and disposal of ACM waste. The waste material was transported from the work site by Blue Water Environmental, a licensed New York State asbestos waste hauler (NYSDEC Permit #1A-400). Documentation has been provided that waste material has been disposed at 110 Sand Company Clean Fill Disposal site, located on Spagnoli Road, in Melville, New York 11714.

SYL00116143

Executive Summary

URS Corporation (URS) was retained by GTE Operations Support Incorporated (GTEOSI) to conduct asbestos abatement project monitoring, air monitoring, and related abatement oversight services during the removal of asbestos-containing material (ACM) at 140 Cantiague Rock Road in Hicksville, New York.

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SYL00116143

Even though air monitoring was not required during the abatement work as per AV-119, URS collected ambient air samples beneath the roof during the abatement work. A total of six (6) samples were collected during the work and sent for laboratory analysis. The samples were analyzed via Phase Contrast Microscopy (PCM) at SciLab, Inc., located at 117 East 30th Street, New York, New York. The results of the analyses for the air samples indicated airborne concentrations of less than 0.01 fibers per cubic centimeter of air (<0.01 f/cc).

The abatement work was completed consistent with Federal and New York State regulatory requirements. No incidents were reported during the asbestos abatement work.

SYL00116144

Even though air monitoring was not required during the abatement work as per AV-119, URS collected ambient air samples beneath the roof during the abatement work. A total of six (6) samples were collected during the work and sent for laboratory analysis. The samples were analyzed via Phase Contrast Microscopy (PCM) at SciLab, Inc., located at 117 East 30th Street, New York, New York. The results of the analyses for the air samples indicated airborne concentrations of less than 0.01 fibers per cubic centimeter of air (<0.01f/cc).

The abatement work was completed consistent with Federal and New York State regulatory requirements. No incidents were reported during the asbestos abatement work.

SYL00116144

APPENDIX A

**LABORATORY ANALYSIS REPORTS AND CHAIN OF
CUSTODIES**

SYL00116145



SCIENTIFIC LABORATORIES, INC.

117 EAST 30TH STREET
NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-9392

February 26, 2003

URS Corporation
Attn: Mark Reed
1515 Broadway
35th Floor
New York, NY 10036

RE: URS Corporation
Job Number 203023203
P.O. #
27010-039; GTE/OSI; 140 Centiaque Road; ABATEMENTS

Dear Mark Reed:

Enclosed are the results for PCM asbestos analysis of the following URS Corporation samples received at SCILAB on Wednesday, February 26, 2003, for a 12 hour turnaround:

A1, A2, A3, A4

The 4 samples contained in air cassettes were shipped to SciLab via Federal Express. These samples were prepared according to PCM methodology as specified in NIOSH Method 7400, Issue #2, 8/15/94. The counting rules used are described in previous versions of this method as "A" rules unless otherwise noted within the report. The attached table represents a summary of the fiber count results which are not adjusted for blanks if analyzed.

This report relates ONLY to the sample analysis expressed as fibers/sq mm of filter area. SciLab assumes no responsibility for customer supplied data such as "sample location" or "air volume sampled". This report must not be used to claim product endorsement by SciLab or any SciLab certifying agency. Complete analytical documentation is archived and available upon written request. The National Institute of Standards and Technology Accreditation requirements, mandates that this report must not be reproduced, except in full without the approval of the laboratory.

SciLab appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,

Lance Tuckruskye
QA/QC Compliance Officer

SYL00116146

Client Name: URS Corporation

Phase Contrast Microscopy (PCM) Fiber Results

27010-039; GTE/OSI; 140 Centiaque Road; ABATEMENTS

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm ²)	Fibers Conc. (Fibers/cc)	TWA
01	A1 OWA By Decon Entrance	02/25/2003	5	330	1650	100	10	12.74	0.003	
02	A2 OWA By Ladder to Work Area	02/25/2003	5	330	1650	100	23	29.30	0.007	
03	A3 OWA By Waste Chute	02/25/2003	5	330	1650	100	19	24.20	0.006	
04	A4 Field Blank	02/25/2003	0	0	0	100	0.5	0.64		

Footnotes: /

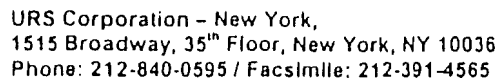
Reporting Notes:

(1) Fibers/cc cannot be calculated for samples (or blanks) with no air volume.

Analyzed by: Fred A. Conrossi  Date Analyzed: 02/26/2003

Samples analyzed by NIOSH 7400(A) Method, Issue #2, 8/15/94. Limit of Detection = 5.5 fibers per 100 fields or 7 fibers/mm². Blank analyses are reported when available, however are not used to adjust results of associated samples in this report. This report relates ONLY to the sample analysis expressed as fibers/sq mm of filter area: ND=No fibers observed; NA=Not Analyzed; Walton-Becken graticle field area = 0.00785 mm²; TWA = 8 Hr TWA calculation assumes zero exposure for remainder of 8 hr period not sampled; Upper 95% Confidence Limit (Employers Compliance Test); Calculated as a one sided UCL to determine 95% certainty of compliance with the 0.01 fiber/cc standard; Estimated relative standard deviation: Intralab Sr=0.405, Interlab Sr=0.45; New York samples (NYSIDH ELAP Lab # 11480): National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. A111A # 102843.

SYL00116147



Client Name: J.P. Co.		Project Name & Location: J.P. Co.		Laboratory Name & Address: J.P. Co.		Turnaround Time <input type="checkbox"/> Immediate <input type="checkbox"/> 3 Hours <input type="checkbox"/> 6 Hours <input checked="" type="checkbox"/> 12 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Other _____	
URS Project Manager: J.P. Co.	URS Project/Air Monitor: J.P. Co.	Rotometer Number: J.P. Co.		<input checked="" type="checkbox"/> PCM (0.8) micron MCE Cassette Filter Manufacturer: _____ Lot: _____		<input type="checkbox"/> TEM (0.45) micron MCE Cassette Filter Manufacturer: _____ Lot: _____	
URS Project Number: Z7010-039	Date: 2-2-2000					Type <input type="checkbox"/> Background <input type="checkbox"/> Pre-Abatement <input checked="" type="checkbox"/> Abatement <input type="checkbox"/> Post-Abatement <input type="checkbox"/> OSHA <input type="checkbox"/> Ambient <input type="checkbox"/> Other _____	

[illegible]

Relinquished By:	Date	Time	Received By	Date	Time	Lab ELAP No.	Date	Time	Microscope Make/Serial No.
<i>[Signature]</i>	2-25		R Rodriguez	2/26/03	0940	Analyzed By			
						QC By			
						Lab Batch No.			

Results To:	Phone/Fax Number	Comments: 203023203	Analysis Methodology
			PCM - NIOSH 7400A
			TEM - AHERA

SYL00116148

Other:

Page 21



SCIENTIFIC LABORATORIES, INC.

117 EAST 30TH STREET
NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-9392

February 27, 2003

URS Corporation
Attn: Mark Reed
1515 Broadway
35th Floor
New York, NY 10036

RE: URS Corporation
Job Number 203023324
P.O. #
27010-039; GTE - 051; 140 Cantiagua Rd., Hicksville, LI, NY/ Abatement

Dear Mark Reed:

Enclosed are the results for PCM asbestos analysis of the following URS Corporation samples received at SCILAB on Thursday, February 27, 2003, for a immediate turnaround:

A1, A2, A3, A4

The 4 samples contained in air cassettes were shipped to SciLab via Federal Express. These samples were prepared according to PCM methodology as specified in NIOSH Method 7400, Issue #2, 8/15/94. The counting rules used are described in previous versions of this method as "A" rules unless otherwise noted within the report. The attached table represents a summary of the fiber count results which are not adjusted for blanks if analyzed.

This report relates ONLY to the sample analysis expressed as fibers/sq mm of filter area. SciLab assumes no responsibility for customer supplied data such as "sample location" or "air volume sampled". This report must not be used to claim product endorsement by SciLab or any SciLab certifying agency. Complete analytical documentation is archived and available upon written request. The National Institute of Standards and Technology Accreditation requirements, mandates that this report must not be reproduced, except in full without the approval of the laboratory.

SciLab appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,

Lance Tuckrusky
QA/QC Compliance Officer

SYL00116149

Client Name: URS Corporation

Phase Contrast Microscopy (PCM) Fiber Results

27010-039; GTE - 051; 140 Cantiagua Rd., Hicksville, LI, NY/ Abatement

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm ²)	Fibers Conc. (Fibers/cc)	TWA
01	A1 OWA 1 Decon Entrance	02/26/2003	5	420	2100	100	7	8.92	0.002	
02	A2 OWA 1 Work Entrance Under Ladder	02/26/2003	5	420	2100	100	5	6.37	< 0.001	
03	A3 OWA 1 Waste Container By Chute	02/26/2003	5	420	2100	100	3	3.82	< 0.001	
04	A4 Field Blank	02/26/2003	0	0	0	100	0.5	0.64		

Footnotes: 1

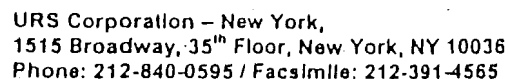
Reporting Notes:

(1) Fibers/cc cannot be calculated for samples (or blanks) with no air volume.



Analyzed by: Benjamin M. Hong *Benjamin Hong*; Date Analyzed: 02/27/2003

Samples analyzed by NIOSH 7400(A) Method, Issue #2, 8/15/94: Limit of Detection= 5.5 fibers per 100 fields or 7 fibers/mm²; Blank analyses are reported when available, however are not used to adjust results of associated samples in this report. This report relates ONLY to the sample analysis expressed as fibers/sq mm of filter area: ND=No fibers observed; NA= Not Analyzed; Walton-Beckett graticle field area = 0.00785 mm²; TWA = 8 hr TWA calculation assumes zero exposure for remainder of 8 hr period not sampled; Upper 95% Confidence limit (Employers Compliance Test)- Calculated as a one sided UCL to determine 95% certainty of compliance with the 0.01 fiber/cc standard; Estimated relative standard deviation: Intralab Sr=0.403, Interlab Sr=0.45, New York samples (NYSDOH ELAP Lab # 11480); National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. A111A # 102843.

SYL00116150



Client Name: yie - OSI		Project Name & Location: 140 cantata Ave RD Hicksville LE ny		Laboratory Name & Address: Sci Env		Turnaround Time <input type="checkbox"/> Immediate <input type="checkbox"/> 3 Hours <input checked="" type="checkbox"/> 6 Hours <input type="checkbox"/> 12 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Other _____	
URS Project Manager: MARC A. CH	URS Project/Air Monitor: Jim Cunningham	Rotometer Number: ny vks 13	<input checked="" type="checkbox"/> PCM (0.8) micron MCE Cassette Filter Manufacturer: _____ Lot 23898	<input type="checkbox"/> TEM (0.45) micron MCE Cassette Filter Manufacturer: _____ Lot _____	Type <input type="checkbox"/> Background <input type="checkbox"/> Pre-Abatement <input checked="" type="checkbox"/> Abatement <input type="checkbox"/> Post-Abatement <input type="checkbox"/> OSHA <input type="checkbox"/> Ambient <input type="checkbox"/> Other _____		
URS Project Number: 2700-039	Date: 2-26-03						

CHAIN OF CUSTODY RECORD									
Relinquished By:	Date	Time	Received By	Date	Time	Lab ELAP No.	Date	Time	Microscope Make/Serial No.
	2/26			2/27/23	07:25				
						Analyzed By			
						QC By			
						Lab Batch No.			

SYL00116151

Other:



SCIENTIFIC LABORATORIES, INC.

117 EAST 30TH STREET
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-9392

February 26, 2003

URS Corporation
Attn: Mark Reed
1515 Broadway
35th Floor
New York, NY 10036

RE: URS Corporation
Job Number 203023202
P.O. #
27010-039; GTE-OSI; 140 Cantiague Rock Road

Dear Mark Reed:

Enclosed are the results for PLM asbestos analysis of the following URS Corporation samples received at SCILAB on Wednesday, February 26, 2003, for a 24 hour turnaround:

#1, #2, #3

The 3 samples contained in zip lock bag were shipped to SciLab via Federal Express. These samples were prepared and analyzed according to the EPA Interim Method (EPA 600/M4-82-020 per 40 CFR 763, subpt F, App. A). The required analytical information, analysis results, analyst signature and laboratory identification is contained in the Analyst's Report.

This report relates ONLY to the sample analysis expressed as percent asbestos. SciLab assumes no responsibility for customer supplied data such as "sample type", "location", or "area sampled". This report must not be used to claim product endorsement by SciLab, NVLAP or any agency of the U. S. Government. The National Institute of Standards and Technology Accreditation requirements, mandates that this report must not be reproduced, except in full without the written approval of the laboratory. This report may contain specific data not covered by NVLAP or ELAP accreditations respectively, if so identified in relevant footnotes.

SciLab appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,

Lance Tuckrusky
QA/QC Compliance Officer

SYL00116152

**SCIENTIFIC LABORATORIES, INC.**

117 EAST 30TH STREET

NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-9392

PLM Bulk Asbestos Report

URS Corporation
Attn: Mark Reed
1515 Broadway
35th Floor
New York, NY 10036

Date Received 02/26/2003 SciLab Job No. 203023202
Date Examined 02/26/2003 P.O. #
ELAP Number 11480 Page 1 of 1
RE: 27010-039; GTE-OSI; 140 Cantiague Rock Road

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
#1	203023202-01		NAD

Location: Roof

Description: Cream, Homogeneous, Insulation Material
Asbestos Types:
Other Material: Cellulose Trace, Non-fibrous 100. %

#2	203023202-02		NAD
----	--------------	--	-----

Location: Roof

Description: Cream, Homogeneous, Insulation Material
Asbestos Types:
Other Material: Cellulose Trace, Non-fibrous 100. %

#3	203023202-03		NAD
----	--------------	--	-----

Location: Roof

Description: Cream, Homogeneous, Insulation Material
Asbestos Types:
Other Material: Cellulose Trace, Non-fibrous 100. %

Reporting Notes:

Analyzed by: Richard Bailey

R. Bailey
*NAD/NSD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200546-0) and ELAP PLM Analysis Protocol 198.1 for New York samples (NYSDOH ELAP Lab # 11480); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. AIHA# 102843; VT Cert#

AL016055

Reviewed By:

SYL00116153

203023202

See Back Of Page

Project Number: 27010-039
Client: gte - OST
Location: 140 CANTiAgue Rock RD
Project Manager: mark RioD
Date Results Due: ~~10~~ 2-27-03

Date Samples Taken:

SYL00116154

Relinquished By: 

Date 2-25-

Received By Rodriguez
Company

Date: 7/26/03
Time: 0940



SCIENTIFIC LABORATORIES, INC.

117 EAST 30TH STREET
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-9392

February 28, 2003

URS Corporation
Attn: Mark Reed
1515 Broadway
35th Floor
New York, NY 10036

RE: URS Corporation
Job Number 203023335
P.O. #
27010-039; GTE - OSI; 140 Cantiague Rock RD

Dear Mark Reed:

Enclosed are the results for PLM asbestos analysis of the following URS Corporation samples received at SCILAB on Thursday, February 27, 2003, for a rush turnaround:

1

The 1 samples contained in zip lock bag were shipped to SciLab via Federal Express. These samples were prepared and analyzed according to the EPA Interim Method (EPA 600/M4-82-020 per 40 CFR 763, subpt F, App. A). The required analytical information, analysis results, analyst signature and laboratory identification is contained in the Analyst's Report.

This report relates ONLY to the sample analysis expressed as percent asbestos. SciLab assumes no responsibility for customer supplied data such as "sample type", "location", or "area sampled". This report must not be used to claim product endorsement by SciLab, NVLAP or any agency of the U. S. Government. The National Institute of Standards and Technology Accreditation requirements, mandates that this report must not be reproduced, except in full without the written approval of the laboratory. This report may contain specific data not covered by NVLAP or ELAP accreditations respectively, if so identified in relevant footnotes.

SciLab appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,

Lance Tuckruskye
QA/QC Compliance Officer

SYL00116155

**SCIENTIFIC LABORATORIES, INC.**117 EAST 30TH STREET
NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-9392

PLM Bulk Asbestos ReportURS Corporation
Attn: Mark Reed
1515 Broadway
35th Floor
New York, NY 10036Date Received 02/27/2003 SciLab Job No. 203023335
Date Examined 02/27/2003 P.O. #
ELAP Number 11480 Page 1 of 1
RE: 27010-039; GTE - OSI; 140 Cantiague Rock RD

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
1	203023335-01	Yes	12 %
Location: Skylight On Roof			

Description: Black, Homogeneous, Tar
Asbestos Types: Chrysotile 12. %
Other Material: Fibrous glass 3. %, Non-fibrous 85. %**Reporting Notes:**

Analyzed by: Bella J. Chernis

*NAD/NSD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200546-0) and ELAP PLM Analysis Protocol 198.1 for New York samples (NYSDOH ELAP Lab # 11480); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. AIHA# 102843; VT Cert# AL016055

Reviewed By:

SYL00116156

Laboratory Batch#

Project Number:	27010-039
Client:	gre-OSF
Location:	140 CANTIAGUE ROCK RD
Project Manager:	MARK Ried
Date Results Due:	ASAP 4/27/03

See Back Of Page

Date Samples Taken: 2-26-03

SYL00116157

Relinquished By:

Date 2/20

Received By:

Date:

Company

Time

Company:

Time: 09 75

APPENDIX B

ASBESTOS ABATEMENT PLAN

SYL00116158

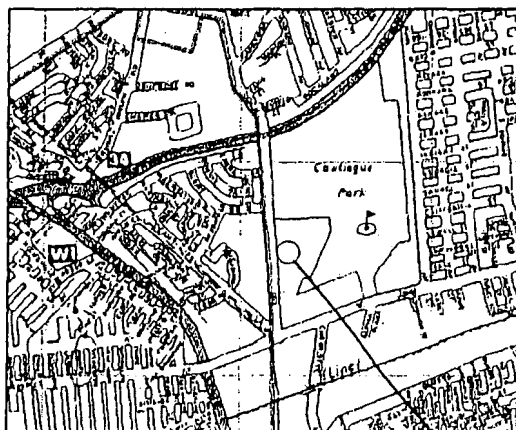
ASBESTOS PLAN

GTEOSI

140 CANTIAGUE ROCK ROAD

HICKSVILLE, NEW YORK 11801

URS PROJECT NO. 27010-039
 ASBESTOS ABATEMENT DESIGN PLAN
 FEBRUARY 20, 2003



KEYMAP

PROJECT LOCATION

LEGEND

- W WASTE DUMPSTER
- DECONTAMINATION UNIT
- X AIRLOCK
- WASTE ROUTE
- WORK AREA

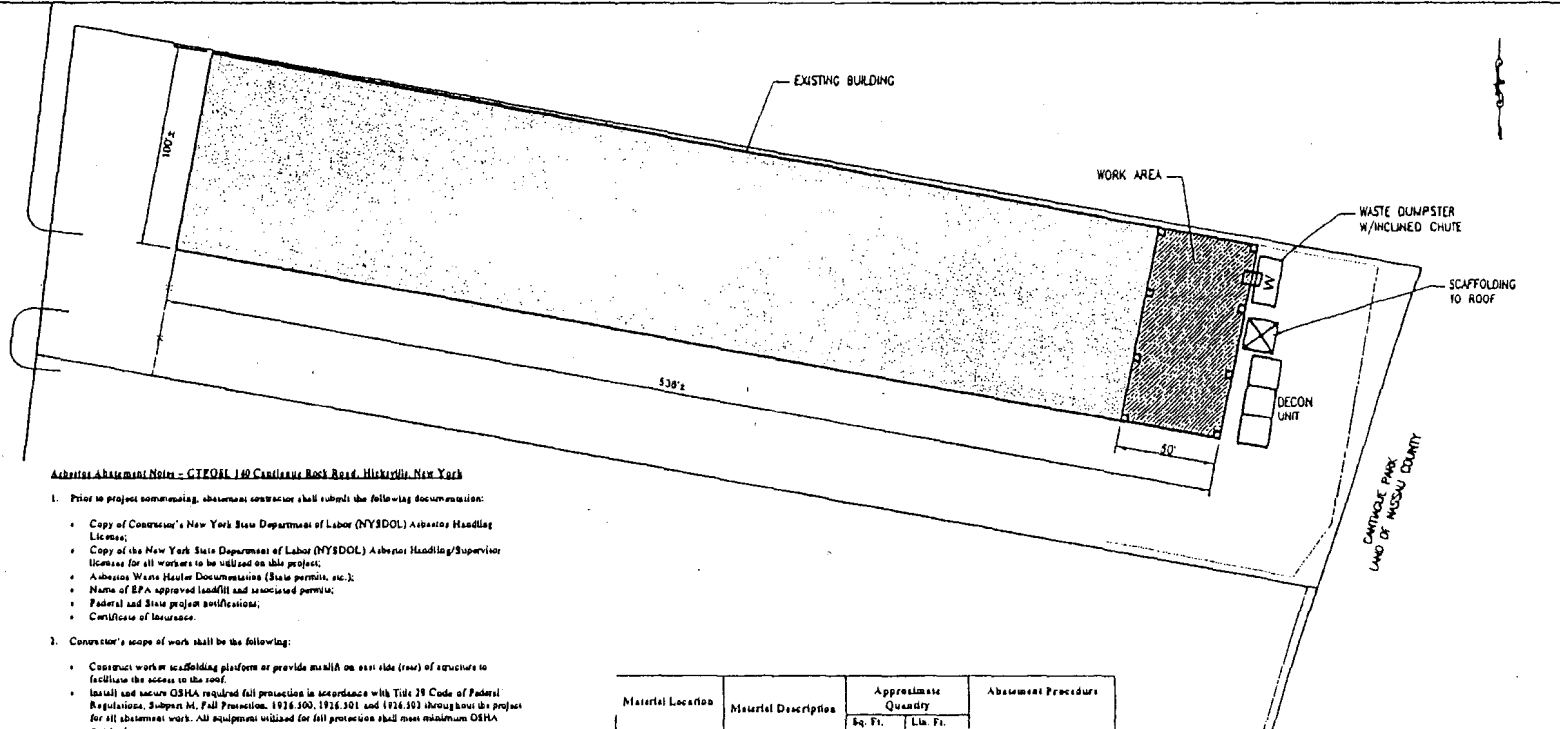
DRAWING INDEX

- AD-01 TITLE SHEET
- AD-02 SITE PLAN AND TABLES

IT IS A VIOLATION OF NEW YORK STATE LAW FOR ANY PERSON, UNLESS HE IS AGING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER ANY ITEM ON THIS DRAWING IN ANY WAY. IF ANY ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR SHALL APPEAR TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISION	DESCRIPTION	DATE	APPROVED
<div style="text-align: center;"> GTEOSI 140 CANTIAGUE ROCK ROAD HICKSVILLE, NEW YORK 11801 </div>			
URS CORPORATION-NEW YORK		ASBESTOS ABATEMENT DESIGN PLAN TITLE SHEET	
DRAWN BY	C. VALLERON	DATE	02/20/03
DESIGNED BY	M. NEED	REVISION	AD-01
CHECKED BY	R. BRATHODE		
APPROVED BY	A. BRATHODE	REVISION	

CANTIAGUE ROCK ROAD



Asbestos Abatement Notes - GTEOSI 140 Cantigue Rock Road, Hicksville, New York

- Prior to project commencing, abatement contractor shall submit the following documentation:
 - Copy of Contractor's New York State Department of Labor (NYS/DOL) Asbestos Handling License;
 - Copy of the New York State Department of Labor (NYS/DOL) Asbestos Handling/Supervisor license for all workers to be utilized on this project;
 - Asbestos Waste Hauler Documentation (State permit, etc.);
 - Name of EPA approved landfill and associated permit;
 - Federal and State project notifications;
 - Certificate of Insurance.
- Contractor's scope of work shall be the following:
 - Construct work on scaffolding platform or provide similar on east side (rear) of structure to facilitate the access to the roof;
 - Install and secure OSHA required fall protection in accordance with Title 29 Code of Federal Regulations, Subpart M, Fall Protection, 1926.100, 1926.101 and 1926.102 throughout the project for all abatement work. All equipment utilized for fall protection shall meet minimum OSHA standards;
 - Construct remote worker and waste decontamination chamber on east side (rear) of building;
 - Install an vertical right inclined chute to waste dumpster below roof level on east side of building;
 - Removal of approximately 3,000 square feet (SF) of existing asbestos-containing built-up roofing and roof flashing from the far rear section of the building; dispose of all materials as non-hazardous asbestos waste. All removal work shall be conducted in accordance with New York State Department of Labor's Industrial Code Rule 36 (NYS/DOL ICR) Applicable Variance (AV) No. 119. Work shall be conducted in a single phase with weather permitting;
 - Removal of approximately 48 linear feet (LF) of existing asbestos-containing caulking from around skylights within the roof abatement work area noted above; dispose of all materials as non-hazardous asbestos waste. All removal work shall be conducted in accordance with New York State Department of Labor's Industrial Code Rule 36 (NYS/DOL ICR) Subpart 56-3.
- A remote personnel and waste decontamination chamber shall be required for this project and is shown on drawing (rear side of building) for contractor's reference. Abatement work shall commence only after decontamination chamber is fully constructed and operational.
- Contractor shall ensure that all electrical items within the roof work area (fans, electrical conduit, etc.) shall be disconnected. Electrical source is available from within the building for contractor's use or contractor may utilize gas powered generators for the project.
- Water is available from within the existing men's and women's restrooms within the building (west side) for the contractor's use for the project. Contractor shall provide water bucket for use for the decontamination chamber.
- Waste shall be transported from the roof level to the east side of the building via enclosed inclined chute to sealed dumpster below. Sealed chute shall be used to transport ACM waste across roof to chute.
- Contractor shall submit the following documentation prior to final payment on the project:
 - Original, fully executed waste manifests for all waste shipped off the site;
 - Copies of the Abatement supervisor's daily log book and sign-in sheet for each day of work;
 - A Letter of Compliance stating that all the work on this project was performed in accordance with the project specifications and all applicable Federal, State and Local regulations.

Material Location	Material Description	Approximate Quantity		Abatement Procedure
		Sq. Ft.	Lin. Ft.	
East side roof section	Built-up roofing and roof flashing	3,000		NYS/DOL ICR36 Applicable Variance (AV) No. 119
Around skylights and vents on east side roof section	Caulking		48	NYS/DOL ICR36 Subpart 56-3
Total ACM		3,000 SF	48 LF	

REVISION		DESCRIPTION	DATE	APPROVED
		GTEOSI 140 CANTIAGUE ROCK ROAD HICKSVILLE, NEW YORK 11801 ASBESTOS ABATEMENT DESIGN PLAN SITE PLAN		
URS CORPORATION-NEW YORK		THE PROJECT OF MR. A. BATHOYE, P.E., HAS BEEN PREPARED BY MR. C. VALLEJO, P.E., UNDER MR. A. BATHOYE'S CLOSE PERSONAL SUPERVISION AND CONTROL.		
DRAWN BY	C. VALLEJO	DATE		06/26/03
DESIGNED BY	M. NEED	DESIGNED TO		
CHECKED BY	A. BATHOYE			AD-02
APPROVED BY	A. BATHOYE			REVISION

IT IS A VIOLATION OF NEW YORK STATE LAW FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER ANY ITEM ON THIS DRAWING IN ANY WAY. IF ANY ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR SHALL APPEAR TO THE ITU HAS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SYL00116160

APPENDIX C

**NEW YORK STATE DEPARTMENT OF LABOR
(NYSDOL) APPLICABLE VARIANCE (AV) NO. 119**

SYL00116161

STATE OF NEW YORK
DEPARTMENT OF LABOR
STATE OFFICE BUILDING CAMPUS
ALBANY, NEW YORK 12240-0100

In the Matter of

Part 56 of Title 12 of the Official Compilation
Of Codes, Rules and Regulations of the
State of New York

(Cited as 12 NYCRR 56)
(As Amended Effective November 9, 1999)

ICR 56-6.1, 8.1(j), 8.1(k)(1-5), 9.1(a), 10.1(a),
11.1(b), 12.1(c), 15.2(c-e,h) and 17

COMMISSIONER'S
DECISION

APPLICABLE
VARIANCE 119
(AV 119)

Asbestos Containing
Roofing/Flashing
Removal

DATED: June 30, 2000

Pursuant to Section 30 of the Labor Law, the Commissioner of Labor has reviewed the above cited provisions of Industrial Code Rule 56, as they relate to the abatement of asbestos containing roofing and roof flashing material.

The Commissioner of Labor has also reviewed numerous petitions for variance or other relief relative to such materials and the decisions rendered relative to these petitions.

The Commissioner of Labor finds that the issuance of an Applicable Variance from the above cited provisions of Industrial Code Rule 56, as such pertain to the removal of asbestos containing roofing and flashing materials would not violate the spirit and purpose of said rules and would secure the public safety as contemplated by said rules.

APPLICABLE VARIANCE

A variance from the cited provisions of Industrial Code Rule 56 is hereby GRANTED subject to the following conditions.

SYL00116162

THE CONDITIONS

1. The immediate work area shall be considered to be the roof area from which the asbestos containing roof flashing or roofing and miscellaneous materials are actively being removed. The asbestos work area shall extend twenty-five feet (25') from the perimeter of the immediate work area.
2. All openings (including operable windows, doors, ducts, grilles, communicating openings, etc.) one (1) story above and one (1) story below the roof level of the immediate work area and extending twenty-five (25') beyond, shall be sealed directly with two layers of at least six-mil flame-retardant plastic sheeting. All vent openings which can not be sealed shall be extended vertically a minimum of eight (8) feet and remain in operation.
3. A polyethylene drape or curtain may be used instead of plasticizing the windows individually. The drape may be removed once the roof system has been placed.
4. The drape or curtain, if used, shall be made of two layers of a continuous eighteen-foot curtain (drape) of at least six-mil plastic hung from the top of the wall or parapet. The plastic curtain shall be secured using nailer strips and ram set charges or other methods approved by the Project Engineer. The bottom of the plastic curtain shall be sufficiently weighted or anchored to prevent lifting due to winds. Curtain seams shall overlap at least twelve inches and be sealed with duct tape front and back. The curtain ends and each seal shall be reinforced by stapling furring strips to the plastic. The plastic curtain shall extend a minimum of fifteen feet beyond the last opening within twenty-five feet of the work area. When removed, the plastic curtain shall be disposed of as asbestos waste.
5. Any windows that must be plasticized from inside the building because of safety reasons or any fixed or non-operable windows on the floor below or above within 25 feet of the roof work area that are not to be plasticized shall be sealed using caulking or tape/plastic.
6. Upon completion of the roofing removal, within each work area, the caulk, plastic tape or interior plastic sheeting may be removed; however, subsequent to the removal the interior surfaces and trim of each window/opening shall be thoroughly HEPA vacuumed.

SYL00116163

7. Where the work area extends outward 25 feet and extends downward one floor to encompass a passage or vehicular door which must be used for either a primary entrance or by an emergency vehicle thereby precluding sealing such door, a tunnel structure (with sides and roof) built of plywood sheeting, covered with at least two (2) layers of at least six mil plastic, shall extend outward 25 feet horizontally from the line of vertical projection of the roof edge downward to grade level.
8. Removed flashing and/or roofing materials shall be transported across the roof in enclosed containers lined with two (2) layers of 6-mil polyethylene.
9. A chute, if used, shall be air/dust tight along its lateral perimeter and at the terminal connection to the dumpster at ground level (solid wall and top container). The dumpster shall be lined with two (2) layers of six-mil plastic draped loosely over the sides so as to facilitate being wrapped over the top of the load and sealed prior to transport from the site. The upper end of the chute shall be furnished with a hinged lid, to be closed when the chute is not being used. Prior to transport from the work site, the dumpster will be disconnected from the chute and sealed air/dust tight utilizing six mil plastic and tape. The roof waste material will be transported as an asbestos containing material by appropriate legal methods.
10. Dumpsters shall have a hard cover and shall be lined with two (2) layers of six-mil fire-retardant polyethylene.
11. A personal decontamination enclosure system that complies with subpart 56-9 shall be utilized. This enclosure system can be remote, on the property and stationary and within 50 feet of the building. It shall be removed at the end of the project when all work is complete. The enclosure system shall be large enough to accommodate the number of people using it. The access area between the work area and the remote decontamination enclosure shall be restricted using tape barriers and warning signs.
12. If at any time a worker has to pass through an uncontaminated area to access a remote decontamination unit or the next work area, the worker shall don two suits of PPE, remove one suit while in the work area, wet wipe the inner suit, don a clean suit and proceed either to the next work area or the decontamination unit.
13. The asbestos work area, decontamination unit and dumpster shall be cordoned off at a distance of twenty-five (25) feet and shall remain vacated except for certified workers until condition 15 is met.

SYL00116164


14. Asbestos-contaminated tools/equipment shall be decontaminated by utilizing a waste decontamination enclosure system that complies with Subpart 56-10 or by utilizing the personal decontamination enclosure system in conjunction with the applicable requirements of Subpart 56-5.1 of this Code Rule. Storage of waste materials in the clean room area of a personal decontamination enclosure is not allowed.
15. After the removal is complete, an authorized and qualified individual; independent of the removal Contractor, i.e. the Project Monitor, Design Engineer or other representative of the owner), shall determine if the roof removal area is dry. When acceptable results are attained the area shall be encapsulated and new roofing materials may be installed.
16. Air monitoring per this Code Rule Subpart 56-17 shall not be required on this project inasmuch as the roofing/flashing consists of non-friable roofing materials.
17. A copy of this APPLICABLE VARIANCE shall be conspicuously posted at the entrance to the personal decontamination enclosure(s).
18. All other applicable provisions of Industrial Code Rule 56-1 through 56-17 shall be complied.
19. This DECISION supercedes Applicable Variance 83 dated March 20, 1989, Applicable Variance 84 dated March 20, 1989 (as it pertains to transite roofing), Applicable Variance 88 dated March 20, 1989 and Applicable Variance 90 dated March 20, 1989.

This APPLICABLE VARIANCE shall apply and shall be applied by all enforcement officials to all persons and in all places to which the previously cited provisions of Industrial Code Rule 56 apply to the removal of asbestos containing roofing and flashing materials with the same force and effect as if this APPLICABLE VARIANCE was duly granted upon separate petition for the use and benefit of every person affected by the cited provisions of Industrial Code Rule 56.

DATED: June 30, 2000

JAMES J. McGOWAN
COMMISSIONER OF LABOR

BY


RICHARD CUCOLO, DIRECTOR
DIVISION OF SAFETY AND HEALTH

SYL00116165

APPENDIX D

PROJECT NOTIFICATIONS / CORRESPONDENCE

SYL00116166

AMENDED US EPA NOTIFICATION

DATE: 02-19-03

ITEMS AMENDED (IN RED): START & COMPLETION

SUBMITTED BY: Fiber Control Inc.
3010 Burns Ave
Wantagh, NY 11793
NYS DOL Asbestos License #99-0723

SUBMITTED TO: United States Environmental Protection Agency
Air Compliance Branch
290 Broadway; 21st Floor
New York, NY 10007-1866
Att: Bob Fitzpatrick (212-637-4042)

**PROJECT
PERFORMED FOR:** IRON EAGLE ENVIRONMENTAL SERVICES INC.
3401 MERRICK ROAD, SUITE 2
WANTAGH, NY 11793

OWNER: GTE OPERATIONS SUPPORT
600 HIDDEN RIDGE DRIVE
IRVING, TX 75038

SITE: 140 CANTIAGUE RD
HICKSVILLE, NY 11801
EAST ROOF

JOB INFORMATION

START DATE: 02-21-03

COMPLETION DATE: 03-07-03

TYPE: ASBESTOS ABATEMENT

DESCRIPTION PROVIDED: REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING MATERIALS

SCOPE PROVIDED: REMOVAL

PROCEDURES SPECIFIED: WET DOWN PROCEDURES, CLEAN-UP TECHNIQUES, HEPA VACUUM

AMOUNTS: 3,000 SQ FT ROOFING

LANDFILL: 110 Sand Company Clean Fill Disposal Site
Bethpage-Spagnoli Road
Melville, NY 11746

SYL00116167

Fiber Control Inc.

3010 Burns Avenue
Wantagh, NY 11793-3296
Tel: (516) 781-3000
Fax: (516) 781-3085
www.actionhazmat.com

February 18, 2003

United States Environmental Protection Agency
Air Compliance Branch
290 Broadway; 21st Floor
New York, NY 10007-1866
Att: Bob Fitzpatrick

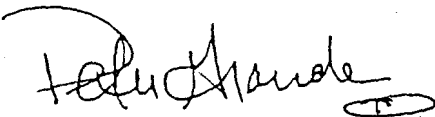
Re: 140 CANTIAGUE RD
HICKSVILLE, NY 11801
EAST ROOF

To Whom It May Concern:

Please be advised that due to the blizzard on 2-17-03, we were unable to start the asbestos removal project at the above referenced location.

We are scheduled to start removal on Thursday, February 20, 2003, assuming roof can be cleared of all snow. If not, further amendments will be forwarded to your attention.

Sincerely,



Peter Grande
PROJECT MANAGER

PG:ls
Enc.

SYL00116168

AMENDED US EPA NOTIFICATION

DATE: 02-18-03

ITEMS AMENDED (IN RED): START & COMPLETION

SUBMITTED BY: Fiber Control Inc.
3010 Burns Ave
Wantagh, NY 11793
NYS DOL Asbestos License #99-0723

SUBMITTED TO: United States Environmental Protection Agency
Air Compliance Branch
290 Broadway; 21st Floor
New York, NY 10007-1866
Att: Bob Fitzpatrick (212-637-4042)

**PROJECT
PERFORMED FOR:** IRON EAGLE ENVIRONMENTAL SERVICES INC.
3401 MERRICK ROAD, SUITE 2
WANTAGH, NY 11793

OWNER: GTE OPERATIONS SUPPORT
600 HIDDEN RIDGE DRIVE
IRVING, TX 75038

SITE: 140 CANTIAGUE RD
HICKSVILLE, NY 11801
EAST ROOF

JOB INFORMATION

START DATE: 02-20-03

COMPLETION DATE: 03-06-03

TYPE: ASBESTOS ABATEMENT

DESCRIPTION PROVIDED: REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING MATERIALS

SCOPE PROVIDED: REMOVAL

PROCEDURES SPECIFIED: WET DOWN PROCEDURES, CLEAN-UP TECHNIQUES, HEPA VACUUM

AMOUNTS: 3,000 SQ FT ROOFING

LANDFILL: 110 Sand Company Clean Fill Disposal Site
Bethpage-Spagnoli Road
Melville, NY 11746

SYL00116169

AMENDED US EPA NOTIFICATION

DATE: 02-11-03

ITEMS AMENDED (IN RED): START & COMPLETION

SUBMITTED BY: Fiber Control Inc.
3010 Burns Ave
Wantagh, NY 11793
NYS DOL Asbestos License #99-0723

SUBMITTED TO: United States Environmental Protection Agency
Air Compliance Branch
290 Broadway; 21st Floor
New York, NY 10007-1866
Att: Bob Fitzpatrick (212-637-4042)

**PROJECT
PERFORMED FOR:** IRON EAGLE ENVIRONMENTAL SERVICES INC.
3401 MERRICK ROAD, SUITE 2
WANTAGH, NY 11793

OWNER: GTE OPERATIONS SUPPORT
600 HIDDEN RIDGE DRIVE
IRVING, TX 75038

SITE: 140 CANTIAGUE RD
HICKSVILLE, NY 11801
EAST ROOF

JOB INFORMATION

START DATE: 02-18-03

COMPLETION DATE: 03-04-03

TYPE: ASBESTOS ABATEMENT

DESCRIPTION PROVIDED: REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING MATERIALS

SCOPE PROVIDED: REMOVAL

PROCEDURES SPECIFIED: WET DOWN PROCEDURES, CLEAN-UP TECHNIQUES, HEPA VACUUM

AMOUNTS: 3,000 SQ FT ROOFING

LANDFILL: 110 Sand Company Clean Fill Disposal Site
Bethpage-Spagnoli Road
Melville, NY 11746

SYL00116170

AMENDED US EPA NOTIFICATION

DATE: 02-10-03

ITEMS AMENDED (IN RED): START & COMPLETION

SUBMITTED BY: Fiber Control Inc.
3010 Burns Ave
Wantagh, NY 11793
NYS DOL Asbestos License #99-0723

SUBMITTED TO: United States Environmental Protection Agency
Air Compliance Branch
290 Broadway; 21st Floor
New York, NY 10007-1866
Att: Bob Fitzpatrick (212-637-4042)

**PROJECT
PERFORMED FOR:** IRON EAGLE ENVIRONMENTAL SERVICES INC.
3401 MERRICK ROAD, SUITE 2
WANTAGH, NY 11793

OWNER: GTE OPERATIONS SUPPORT
600 HIDDEN RIDGE DRIVE
IRVING, TX 75038

SITE: 140 CANTIAGUE RD
HICKSVILLE, NY 11801
EAST ROOF

JOB INFORMATION

START DATE: 02-14-03

COMPLETION DATE: 02-28-03

TYPE: ASBESTOS ABATEMENT

DESCRIPTION PROVIDED: REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING MATERIALS

SCOPE PROVIDED: REMOVAL

PROCEDURES SPECIFIED: WET DOWN PROCEDURES, CLEAN-UP TECHNIQUES, HEPA VACUUM

AMOUNTS: 3,000 SQ FT ROOFING

LANDFILL: 110 Sand Company Clean Fill Disposal Site
Bethpage-Spagnoli Road
Melville, NY 11746

SYL00116171

AMENDED US EPA NOTIFICATION

DATE: 02-06-03

ITEMS AMENDED (IN RED): BLDG OWNER

SUBMITTED BY: Fiber Control Inc.
3010 Burns Ave
Wantagh, NY 11793
NYS DOL Asbestos License #99-0723

SUBMITTED TO: United States Environmental Protection Agency
Air Compliance Branch
290 Broadway; 21st Floor
New York, NY 10007-1866
Att: Bob Fitzpatrick (212-637-4042)

**PROJECT
PERFORMED FOR:** IRON EAGLE ENVIRONMENTAL SERVICES INC.
3401 MERRICK ROAD, SUITE 2
WANTAGH, NY 11793

OWNER: GTE OPERATIONS SUPPORT
600 HIDDEN RIDGE DRIVE
IRVING, TX 75038

SITE: 140 CANTIAGUE RD
HICKSVILLE, NY 11801
EAST ROOF

JOB INFORMATION

START DATE: 02-11-03

COMPLETION DATE: 02-22-03

TYPE: ASBESTOS ABATEMENT

DESCRIPTION PROVIDED: REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING MATERIALS

SCOPE PROVIDED: REMOVAL

PROCEDURES SPECIFIED: WET DOWN PROCEDURES, CLEAN-UP TECHNIQUES, HEPA VACUUM

AMOUNTS: 3,000 SQ FT ROOFING

LANDFILL: 110 Sand Company Clean Fill Disposal Site
Bethpage-Spagnoli Road
Melville, NY 11746

SYL00116172

US EPA NOTIFICATION

SUBMITTED BY: Fiber Control, Inc.
3010 Burns Ave
Wantagh, NY 11793
NYS DOL Asbestos License #99-0723

SUBMITTED TO: Environmental Protection Agency
Air Facilities Branch
290 Broadway, 21st Floor
New York, NY 10007-1866
Att: Bob Fitzpatrick (212-637-4042)

**PROJECT
PERFORMED FOR:** IRON EAGLE ENVIRONMENTAL SERVICES INC
3401 MERRICK RD, SUITE 2
WANTAGH, NY 11793

OWNER: BLUE WATER ENVIRONMENTAL
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

SITE: 140 CANTIAGUE RD
HICKSVILLE, NY 11801
EAST ROOF

JOB INFORMATION

TYPE: ASBESTOS ABATEMENT

DESCRIPTION PROVIDED: Removal And Disposal Of Asbestos Containing
Materials

SCOPE PROVIDED: Removal

PROCEDURE SPECIFIED: Wet Down Procedures, Clean-Up Techniques, Hepa
Vacuum

AMOUNTS: 3,000 Square Feet roofing

LANDFILL: 110 Sand Company Clean Fill Disposal Site
Bethpage-Spagnoli Rd.
Melville, NY 11746

SYL00116173

US EPA NOTIFICATION

DATE: 01-23-03

SUBMITTED BY: Fiber Control Inc.
3010 Burns Ave
Wantagh, NY 11793
NYS DOL Asbestos License #99-0723

SUBMITTED TO: United States Environmental Protection Agency
Air Compliance Branch
290 Broadway; 21st Floor
New York, NY 10007-1866
Att: Bob Fitzpatrick (212-637-4042)

**PROJECT
PERFORMED FOR:** IRON EAGLE ENVIRONMENTAL SERVICES INC.
3401 MERRICK ROAD, SUITE 2
WANTAGH, NY 11793

OWNER: BLUE WATER ENVIRONMENTAL
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

SITE: 140 CANTIAGUE RD
HICKSVILLE, NY 11801
EAST ROOF

JOB INFORMATION

START DATE: 02-06-03

COMPLETION DATE: 02-16-03

TYPE: ASBESTOS ABATEMENT

DESCRIPTION PROVIDED: REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING MATERIALS

SCOPE PROVIDED: REMOVAL

PROCEDURES SPECIFIED: WET DOWN PROCEDURES, CLEAN-UP TECHNIQUES, HEPA VACUUM

AMOUNTS: 3,000 SQ FT ROOFING

LANDFILL: 110 Sand Company Clean Fill Disposal Site
Bethpage-Spagnoli Road
Melville, NY 11746

SYL00116174



STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
ASBESTOS CONTROL BUREAU
State Office Campus
Building 12 - Room 133
Albany, N.Y. 12240

EMERGENCY NOTIFICATION REQUIRED

a. Date of Request: _____ b. Time of Request: _____
c. Name of Person Granting Request: _____

AMENDED NOTIFICATION

- a. ☐ Postponed ☐ Cancelled
b. New Start Date: _____
c. New End Date: _____
d. Submitted By: _____

Refer to Information Sheet or Code
Rule 56 for Time Deadlines

ASBESTOS PROJECT NOTIFICATION

WITHIN TWO WORKING DAYS
EMERGENCY APPROVAL YOU MUST
DUPLICATE COPIES OF THIS FORM W/
APPROPRIATE FEE TO THE ASBESTOS
BUREAU AT THE ADDRESS SHOWN

1. NAME AND ADDRESS OF CONTRACTOR

FIBER CONTROL INC.
3010 BURNS AVENUE
WANTAGH, NY 11793

2. FEDERAL EMPLOYER IDENTIFICATION NO.

11-2855741

3. ASBESTOS LICENSE NO.

99-0723

4. MAILING ADDRESS (if different than listed in item 1)

5. NAME AND ADDRESS OF PARTY FOR WHOM THE PROJECT IS BEING PERFORMED
IRON EAGLE ENVIRONMENTAL SVCS INC. 3401 MERRICK RD STE 2 WANTAGH, NY 11793

6. NAME AND TITLE OF DULY AUTHORIZED REPRESENTATIVE

PETER GRANDE, PROJECT MANAGER

7. TELEPHONE NO.

516-781-3000

PROJECT INFORMATION

PROVIDE ALL INFORMATION REQUESTED FOR THE BUILDING SITE AT WHICH THE ASBESTOS PROJECT WILL BE CONDUCTED

8. ADDRESS (INCLUDE NAME OF BUILDING, ROOM NO., CITY, TOWN, VILLAGE)
140 CANTAGUE RD. RICKSVILLE, NY 11801

9. NAME OF BUILDING OWNER

BLUE WATER ENVIRONMENTAL

10. COUNTY
NASSAU

11. CURRENT USE OF BUILDING
VACANT

12. AGE OF BUILDING
50

13. TOTAL CONTRACT AMOUNT
180

14. PROJECT DATE(S) - List
phased project dates in
REMARKS (Item 28)

a. ACTUAL STARTING DATE
02/06/03

b. PROJECTED ENDING DATE
02/16/03

15. TYPE OF ASBESTOS WORK (CHECK
ALL WHICH APPLY)

- ☐ Pipe Related
☒ Sprayed on Insulation
☒ Roofing/Flashing
☐ Vessel Covering
☐ Siding
☐ VAT
☐ Demolition
☐ Other (Specify)

16. WILL WORK ON THE PROJECT BE CONDUCTED UNDER A VARIANCE? If
yes, specify the type of variance

☒ APPLICABLE VARIANCE - NO AV119
☐ INDIVIDUAL VARIANCE - PETITION NO. _____

17. WILL SUBCONTRACTORS BE USED ON THE PROJECT? ☒ NO ☐ YES

If yes, please list name and federal employer identification number of
subcontractor in REMARKS (Item 28) on reverse of form

18. ASBESTOS PROCEDURE(S) TO BE USED
(CHECK ALL WHICH APPLY)

- ☒ REMOVAL ☐ DEMOLITION
☐ ENCLOSURE ☐ DISTURBANCE
☐ ENCAPSULATION ☐ HANDLING
☐ OTHER (Specify)

19. TYPE OF ASBESTOS
MATERIAL

☐ FRIABLE

☒ NON-FRIABLE

20. AMOUNT OF ASBESTOS INVOLVED - CHECK ALL APPLICABLE BOX(ES):

LINEAR FEET
☐ Less than 250 (Specify)
☐ (5100) 260-429
☐ (5200) 430-524
☐ (5500) 525-649
☐ (51000) 1650 OR MORE (Specify)
SQUARE FEET
☐ Less than 160 (Specify)
☐ (5100) 160-259
☐ (5200) 260-499
☐ (5500) 500-999
☒ (51000) 1000 OR MORE (Specify)
3000

21. METHODS TO BE USED AT PROJECT SITE TO PREVENT ASBESTOS DISSEMINATION (INCLUDING TYPE OF EQUIPMENT AND VENTILATION SYSTEMS USED)

22. I certify that the information specified on this notification is true and accurate and that the project will be conducted in compliance with the requirements of Code Rule 56.

Peter Grande

a. Signature of the Contractor or Duly Authorized Representative

1-23-03

b. Date

PREPARE THIS APPLICATION IN TRIPLICATE AND SUBMIT:

- An original and one copy (with an ink signature on both copies) to the New York State Department of Labor, Division of Safety and Health, Asbestos Control Bureau, State Office Campus, Building 12-Room 133, Albany, NY 12240, retain one copy for your records.
- A check or money order, made payable to the Commissioner of Labor, for the fee due based on the project size as shown in item 19. This notification must be submitted at least 10 days prior to the starting date of the asbestos project.

23. NAME AND ADDRESS OF WASTE DISPOSAL SITE, IF ANY	PST Reclamation (a waste management company)	24. NAME AND ADDRESS OF WASTE HAULER/TRANSPORTER, IF ANY
VALLEY LANDFILL RD#2 PO BOX 732A PLEASANT VALLEY ROAD IRWIN, PA 15442	44321 Sande Road Harwood, MD 20775	Logans 12 Waste Management Company PO Box 144
SOUTHERN ALLEGHENIES DISPOSAL SERVICES, INC 643 MILLER PICKERING ROAD DAVIDSVILLE, PA 15928	Libson Landfill (Westmariners, Inc.)	209 Pickering Street Portland, CT 06460
110 Sand Company Clean Fill Disposal Site Birdsboro-Spaynor Road Metairie, NY 11746	9717 Steubenville Pike Rd Libson, OH 44132	ref: 800-272-3867

25. METHOD(S) TO BE USED AT WASTE DISPOSAL SITE (IF APPLICABLE)

26. LIST ALL EQUIPMENT TO BE USED FOR THIS ASBESTOS PROJECT, e.g. NEGATIVE AIR FILTRATION UNITS, RESPIRATORS, WETTING DEVICES, HEPA VACUUMS, ETC. DO NOT INCLUDE NON-ASBESTOS RELATED EQUIPMENT OR EXPENDABLE SUPPLIES. (ATTACH ADDITIONAL SHEETS IF NECESSARY)

DESCRIPTION OF EQUIPMENT	MANUFACTURER	MODEL NUMBER	QUANTITY
SEE ATTACHED			

27. LABORATORY ANALYSIS TO BE PERFORMED BY:

a. NAME

b. ELAP REGISTRATION NUMBER

TESTING MECHANICS CORP

11018

28. REMARKS

SUBCONTRACTOR UTILIZED:

FEDERAL I.D. #:

SYL00116176



2-5-03

DIVISION OF SAFETY AND HEALTH
ASBESTOS CONTROL BUREAU
State Office Campus
Building 12 - Room 133
Albany, N.Y. 12240

AMENDED NOTIFICATION

a. ☒ Postponed = Cancelled
b. New Start Date 2-11-03
c. New End Date 2-22-03
d. Submitted By
Peter Grande
Refer to Information Sheet or Code
Rule 56 for Time Deadlines

ASBESTOS PROJECT NOTIFICATION

a. Date of request

c. Name of Person Granting Request

WITHIN TWO WORKING DAYS OF
EMERGENCY APPROVAL YOU MUST
QUALIFY COPIES OF THIS FORM WITH
APPROPRIATE FEE TO THE ASBESTOS
BUREAU AT THE ADDRESS SHOWN

1. NAME AND ADDRESS OF CONTRACTOR

FIBER CONTROL INC.
3010 BURNS AVENUE
WANTAGH, NY 11793

2. FEDERAL EMPLOYER IDENTIFICATION NO

11-2855741

3. ASBESTOS LICENSE NO

99-0723

4. MAILING ADDRESS (if different than listed in item 1)

5. NAME AND ADDRESS OF PARTY FOR WHOM THE PROJECT IS BEING PERFORMED
IRON EAGLE ENVIRONMENTAL SVCS INC. 3401 MERRICK RD STE 2, WANTAGH, NY 11793

6. NAME AND TITLE OF DULY AUTHORIZED REPRESENTATIVE

PETER GRANDE, PROJECT MANAGER

7. TELEPHONE NO

516-781-3000

PROJECT INFORMATION

PROVIDE ALL INFORMATION REQUESTED FOR THE BUILDING SITE AT WHICH THE ASBESTOS PROJECT WILL BE CONDUCTED.

ADDRESS (INCLUDING NAME OF BUILDING, ROOM NO., CITY, TOWN, VILLAGE):
140 CANTAGUE RD. RICKSVILLE, NY 11801

8. NAME OF BUILDING OWNER

BLUE WATER ENVIRONMENTAL

9. COUNTY
NASSAU10. CURRENT USE OF BUILDING
VACANT11. AGE OF BUILDING
5012. TOTAL CONTRACT AMOUNT
18013. PROJECT DATES - List
phased project dates in
REMARKS (Item 25)a. ACTUAL STARTING DATE
02/06/03b. PROJECTED ENDING DATE
02/16/0314. TYPE OF ASBESTOS WORK (CHECK
ALL WHICH APPLY)

☐ Pipe Related
☐ Sprayed on Insulation
☒ Roofing/Flashing
☐ Vessel Covering
☐ Siding
☐ VAT
☐ Demolition
☐ Other (Specify)

15. WILL WORK ON THE PROJECT BE CONDUCTED UNDER A VARIANCE? If
yes, specify the type of variance

☒ APPLICABLE VARIANCE - NO. AV119
☐ INDIVIDUAL VARIANCE - PETITION NO. _____

16. WILL SUBCONTRACTORS BE USED ON THE PROJECT? ☒ NO ☐ YES

If yes, please list name and federal employer identification number of each subcontractor in REMARKS (Item 24) or reverse of form

17. ASBESTOS PROCEDURE(S) TO BE USED
(CHECK ALL WHICH APPLY)

☒ REMOVAL ☐ DEMOLITION
☐ ENCLOSURE ☐ DISTURBANCE
☐ ENCAPSULATION ☐ HANDLING
☐ OTHER (Specify)

18. TYPE OF ASBESTOS
MATERIAL

☐ FRIABLE
☒ NON-FRIABLE

19. AMOUNT OF ASBESTOS INVOLVED - CHECK ALL APPLICABLE BOX(ES)

LINEAR FEET

☐ Less than 250 (Specify)
☐ (S100) 260-429
☐ (S200) 430-524
☐ (S300) 525-1649
☐ (S1000) 1650 OR MORE (Specify)

SQUARE FEET

☐ Less than 160 (Specify)
☐ (S100) 160-259
☐ (S200) 260-499
☐ (S500) 500-999
☒ (S1000) 1000 OR MORE
3000 (Specify)

20. METHODS TO BE USED AT PROJECT SITE TO PREVENT ASBESTOS DISSEMINATION (INCLUDING TYPE OF EQUIPMENT AND VENTILATION SYSTEMS USED)

I hereby certify that the information specified on this notification is true and accurate and that the project will be conducted in compliance with the requirements of Code Rule 56.

Peter Grande
Signature of the Contractor or Duly Authorized Representative

1-23-03
Date

PREPARE THIS APPLICATION IN TRIPLICATE AND SUBMIT:

- An original and one copy (with an ink signature on both copies) to the New York State Department of Labor, Division of Safety and Health, Asbestos Control Bureau, State Office Campus, Building 12-Room 133, Albany, NY 12240; retain one copy for your records.
- A check or money order, made payable to the Commissioner of Labor, for the fee due based on the project size as shown in item 19. This notification must be submitted at least 10 days prior to the starting date of the asbestos project.

SYL00116177

22. METHOD(S) TO BE USED AT PROJECT SITE TO TREAT OR DISPOSE OF CONTAMINATED WASTE WATER (IF APPLICABLE)

23. NAME AND ADDRESS OF WASTE DISPOSAL SITE, IF ANY

VALLEY LANDFILL
RD#2 PO BOX 782A PLEASANT VALLEY ROAD
IRWIN, PA 15642
SOUTHERN ALLEGHENIES DISPOSAL SERVICES, INC
443 MILLER PICKERING ROAD
DAVIDSVILLE, PA 15728
110 Sand Company Clean Fill Disposal Site
Switzburg-Sagehen Road
Greenville, NY 11744

PST Recommendation
1a waste management company
44321 Sandy Road
Hummelstown, MD 21766
Libson, Inc.
Wheaton, MD 21794
11111 Sand Company Clean Fill Disposal Site
Libson, OH 44121

24. NAME AND ADDRESS OF WASTE HAULER/TRANSPORTER, IF ANY

BLUE WATER ENVIRONMENTAL, INC
1610 NEW HIGHWAY
FARMINGDALE, NY 11735
631-752-2145
PERMIT NO. 1A-400

25. METHOD(S) TO BE USED AT WASTE DISPOSAL SITE (IF APPLICABLE)

26. LIST ALL EQUIPMENT TO BE USED FOR THIS ASBESTOS PROJECT, e.g. NEGATIVE AIR FILTRATION UNITS, RESPIRATORS, WETTING DEVICES, HEPA VACUUMS, ETC. DO NOT INCLUDE NON-ASBESTOS RELATED EQUIPMENT OR EXPENDABLE SUPPLIES. (ATTACH ADDITIONAL SHEETS IF NECESSARY)

DESCRIPTION OF EQUIPMENT	MANUFACTURER	MODEL NUMBER	QUANTITY
SEE ATTACHED			

27. LABORATORY ANALYSIS TO BE PERFORMED BY:

a. NAME

TESTING MECHANICS CORP

b. ELAP REGISTRATION NUMBER

11018

28. REMARKS

SUBCONTRACTOR UTILIZED:

FEDERAL I.D. #:

SYL00116179



2/10/03

DIVISION OF SAFETY AND HEALTH
 ASBESTOS CONTROL BUREAU
 State Office Campus
 Building 12 - Room 132
 Albany, N.Y. 12240

AMENDED NOTIFICATION

1. ☒ ASBESTOS CONTROL BUREAU
 2. New Start Date: 2/14/03
 3. New End Date: 2/28/03
 4. *Peter Grande*
 Refer to information sheet of Code
 Page 55 for Time Delay Fee

Amended
 ASBESTOS PROJECT NOTIFICATION

a. Date of request

c. Name of Person

WITHIN TWO WORKING
 EMERGENCY ASBESTOS
 SERVICES SECTION OF THE
 DEPARTMENT OF LABOR
 BUREAU OF THE ASBESTOS CONTROL

1. NAME AND ADDRESS OF CONTRACTOR

FIBER CONTROL INC.
 3010 BURNS AVENUE
 WANTAGH, NY 11793

2. FEDERAL EMPLOYER IDENTIFICATION NO.

14-285574

3. ASBESTOS LICENSE NO.

4. MAILING ADDRESS (If different from above)

5. NAME AND ADDRESS OF PARTY FOR WHOM THE PROJECT IS BEING PERFORMED
 IRON EAGLE ENVIRONMENTAL SVCS INC 2401 MERRICK RD STE 2 WANTAGH, NY 11792

6. NAME AND TITLE OF DULY AUTHORIZED REPRESENTATIVE

PETER GRANDE, PROJECT MANAGER

7. TELEPHONE NO.

516-781-1000

PROJECT INFORMATION

NOTE: ALL INFORMATION REQUESTED FOR THE BUILDING INFORMATION ON THE ASBESTOS PROJECT WILL BE CONDUCTED

1. PROJECT NAME: BUILDING ROOM NO. CITY/TOWN/VILLAGE
 140 CANTON RD BIRNSVILLE, NY 11701

5. NAME OF PERSON OPERATING SUPPORT

BUREAU OF THE ASBESTOS CONTROL

2. COUNTY

WASSAR

3. NO. CURRENT USE OF BUILDING

VACANT

4. AGE OF BUILDING

50

6. TOTAL CONTRACT AMOUNT

TED

12. PROJECT DATES

13. ACTUAL STARTING DATE
 02/08/03

14. PROJECTED ENDING DATE
 02/15/03

15. TYPE OF ASBESTOS WORK TO BE DONE
 ALL WORK TO BE DONE
☒ Pipe Related
☒ Removal or Installation
☒ Roofing/Flashing
☒ Ceiling Covering
☒ Siding
☒ VENT
☒ Demolition
☒ Other (Specify)

16. WILL WORK ON THE PROJECT BE CONDUCTED UNDER AN ASBESTOS
 VARIATION PERMIT OR VARIANCE
☒ VARIATION PERMIT NO. A-117
☐ VARIANCE PERMIT NO.

17. WILL A SUBCONTRACTOR BE USED ON THE PROJECT? ☒ YES ☐ NO
 If yes, please include name and federal employer identification number of subcontractor in REMARKS, item 18 of this notification.

18. ASBESTOS PROJECTS TO BE USED

19. TYPE OF ASBESTOS

MATERIAL

20. AMOUNT OF ASBESTOS INVOLVED

SQUARE FEET

CUBIC FEET

☒ REMOVAL
☐ ENCLOSURE
☐ ENCAPSULATION
☐ OTHER (Specify)

☐ DEMOLITION
☐ DISTURBANCE
☐ HANDLING

21. RELEASE

☒ NON-RELEASE

22. AMOUNT OF ASBESTOS INVOLVED
☐ 15,000 - 24,999
☐ 25,000 - 49,999
☐ 50,000 - 99,999
☐ 100,000 - 199,999
☒ 200,000 - 399,999
☐ 400,000 - 799,999
☐ 800,000 - 1,599,999
☐ 1,600,000 - 3,199,999
☐ 3,200,000 - 6,399,999
☐ 6,400,000 - 12,799,999
☐ 12,800,000 - 25,599,999
☐ 25,600,000 - 51,199,999
☐ 51,200,000 - 102,399,999
☐ 102,400,000 - 204,799,999
☐ 204,800,000 - 409,599,999
☐ 409,600,000 - 819,199,999
☐ 819,200,000 - 1,638,399,999
☐ 1,638,400,000 - 3,276,799,999
☐ 3,276,800,000 - 6,553,599,999
☐ 6,553,600,000 - 13,107,199,999
☐ 13,107,200,000 - 26,214,399,999
☐ 26,214,400,000 - 52,428,799,999
☐ 52,428,800,000 - 104,857,599,999
☐ 104,857,600,000 - 209,715,199,999
☐ 209,715,200,000 - 419,430,399,999
☐ 419,430,400,000 - 838,860,799,999
☐ 838,860,800,000 - 1,677,721,599,999
☐ 1,677,721,600,000 - 3,355,443,199,999
☐ 3,355,443,200,000 - 6,710,886,399,999
☐ 6,710,886,400,000 - 13,421,772,799,999
☐ 13,421,772,800,000 - 26,843,545,599,999
☐ 26,843,545,600,000 - 53,687,091,199,999
☐ 53,687,091,200,000 - 107,374,182,399,999
☐ 107,374,182,400,000 - 214,748,364,799,999
☐ 214,748,364,800,000 - 429,496,729,599,999
☐ 429,496,729,600,000 - 858,993,459,199,999
☐ 858,993,459,200,000 - 1,717,986,918,399,999
☐ 1,717,986,918,400,000 - 3,435,973,836,799,999
☐ 3,435,973,836,800,000 - 6,871,947,673,599,999
☐ 6,871,947,673,600,000 - 13,743,895,347,199,999
☐ 13,743,895,347,200,000 - 27,487,790,694,399,999
☐ 27,487,790,694,400,000 - 54,975,581,388,799,999
☐ 54,975,581,388,800,000 - 109,951,162,777,599,999
☐ 109,951,162,777,600,000 - 219,902,325,555,199,999
☐ 219,902,325,555,200,000 - 439,804,651,110,399,999
☐ 439,804,651,110,400,000 - 879,609,302,220,799,999
☐ 879,609,302,220,800,000 - 1,759,218,604,441,599,999
☐ 1,759,218,604,441,600,000 - 3,518,437,208,883,199,999
☐ 3,518,437,208,883,200,000 - 7,036,874,417,766,399,999
☐ 7,036,874,417,766,400,000 - 14,073,748,835,532,799,999
☐ 14,073,748,835,532,800,000 - 28,147,497,671,065,599,999
☐ 28,147,497,671,065,600,000 - 56,294,995,342,131,199,999
☐ 56,294,995,342,131,200,000 - 112,589,990,684,262,399,999
☐ 112,589,990,684,262,400,000 - 225,179,981,368,524,799,999
☐ 225,179,981,368,524,800,000 - 450,359,962,737,049,599,999
☐ 450,359,962,737,049,600,000 - 900,719,925,474,099,199,999
☐ 900,719,925,474,099,200,000 - 1,801,439,850,948,198,399,999
☐ 1,801,439,850,948,198,400,000 - 3,602,879,701,896,396,799,999
☐ 3,602,879,701,896,396,800,000 - 7,205,759,403,792,793,599,999
☐ 7,205,759,403,792,793,600,000 - 14,411,518,807,585,587,199,999
☐ 14,411,518,807,585,587,200,000 - 28,823,037,615,171,174,399,999
☐ 28,823,037,615,171,174,400,000 - 57,646,075,230,342,348,799,999
☐ 57,646,075,230,342,348,800,000 - 115,292,150,460,684,697,599,999
☐ 115,292,150,460,684,697,600,000 - 230,584,300,921,369,395,199,999
☐ 230,584,300,921,369,395,200,000 - 461,168,601,842,738,790,399,999
☐ 461,168,601,842,738,790,400,000 - 922,337,203,685,477,580,799,999
☐ 922,337,203,685,477,580,800,000 - 1,844,674,407,370,955,161,599,999
☐ 1,844,674,407,370,955,161,600,000 - 3,689,348,814,741,910,323,199,999
☐ 3,689,348,814,741,910,323,200,000 - 7,378,697,629,483,820,646,399,999
☐ 7,378,697,629,483,820,646,400,000 - 14,757,395,258,967,641,292,799,999
☐ 14,757,395,258,967,641,292,800,000 - 29,514,790,517,935,282,585,599,999
☐ 29,514,790,517,935,282,585,600,000 - 59,029,581,035,870,565,171,199,999
☐ 59,029,581,035,870,565,171,200,000 - 118,059,162,071,741,130,342,399,999
☐ 118,059,162,071,741,130,342,400,000 - 236,118,324,143,482,260,684,799,999
☐ 236,118,324,143,482,260,684,800,000 - 472,236,648,286,964,521,369,599,999
☐ 472,236,648,286,964,521,369,600,000 - 944,473,296,573,929,042,739,199,999
☐ 944,473,296,573,929,042,739,200,000 - 1,888,946,593,147,858,085,478,399,999
☐ 1,888,946,593,147,858,085,478,400,000 - 3,777,893,186,295,716,170,956,799,999
☐ 3,777,893,186,295,716,170,956,800,000 - 7,555,786,372,591,432,341,913,599,999
☐ 7,555,786,372,591,432,341,913,600,000 - 15,111,572,745,182,864,683,827,199,999
☐ 15,111,572,745,182,864,683,827,200,000 - 30,223,145,490,365,729,367,654,399,999
☐ 30,223,145,490,365,729,367,654,400,000 - 60,446,290,980,731,458,735,308,799,999
☐ 60,446,290,980,731,458,735,308,800,000 - 120,892,581,961,462,917,470,617,599,999
☐ 120,892,581,961,462,917,470,617,600,000 - 241,785,163,922,925,834,941,235,199,999
☐ 241,785,163,922,925,834,941,235,200,000 - 483,570,327,845,851,669,882,470,399,999
☐ 483,570,327,845,851,669,882,470,400,000 - 967,140,655,691,703,339,764,940,799,999
☐ 967,140,655,691,703,339,764,940,800,000 - 1,934,281,311,383,406,679,529,881,599,999
☐ 1,934,281,311,383,406,679,529,881,600,000 - 3,868,562,622,766,813,359,059,763,199,999
☐ 3,868,562,622,766,813,359,059,763,200,000 - 7,737,125,245,533,626,718,118,526,399,999
☐ 7,737,125,245,533,626,718,118,526,400,000 - 15,474,250,491,067,253,436,237,052,799,999
☐ 15,474,250,491,067,253,436,237,052,800,000 - 30,948,500,982,134,506,872,474,105,599,999
☐ 30,948,500,982,134,506,872,474,105,600,000 - 61,897,001,964,269,013,744,948,211,199,999
☐ 61,897,001,964,269,013,744,948,211,200,000 - 123,794,003,928,538,027,489,896,422,399,999
☐ 123,794,003,928,538,027,489,896,422,400,000 - 247,588,007,857,076,054,979,784,844,799,999
☐ 247,588,007,857,076,054,979,784,844,800,000 - 495,176,015,714,152,109,959,569,689,599,999
☐ 495,176,015,714,152,109,959,569,689,600,000 - 990,352,031,428,304,219,919,139,379,199,999
☐ 990,352,031,428,304,219,919,139,379,200,000 - 1,980,704,062,856,608,439,838,278,758,399,999
☐ 1,980,704,062,856,608,439,838,278,758,400,000 - 3,961,408,125,713,216,879,676,557,516,799,999
☐ 3,961,408,125,713,216,879,676,557,516,800,000 - 7,922,816,251,426,433,759,353,115,033,599,999
☐ 7,922,816,251,426,433,759,353,115,033,600,000 - 15,845,632,502,852,867,518,706,230,067,199,999
☐ 15,845,632,502,852,867,518,706,230,067,200,000 - 31,691,265,005,705,735,037,412,460,134,399,999
☐ 31,691,265,005,705,735,037,412,460,134,400,000 - 63,382,530,011,411,470,074,824,920,268,799,999
☐ 63,382,530,011,411,470,074,824,920,268,800,000 - 126,765,060,022,822,940,149,649,840,537,599,999
☐ 126,765,060,022,822,940,149,649,840,537,600,000 - 253,530,120,045,645,880,299,299,681,075,199,999
☐ 253,530,120,045,645,880,299,299,681,075,200,000 - 507,060,240,091,291,760,598,582,362,150,399,999
☐ 507,060,240,091,291,760,598,582,362,150,400,000 - 1,014,120,480,182,583,521,197,164,724,300,799,999
☐ 1,014,120,480,182,583,521,197,164,724,300,800,000 - 2,028,240,960,365,167,042,394,329,448,601,599,999
☐ 2,028,240,960,365,167,042,394,329,448,601,600,000 - 4,056,481,920,730,334,084,788,658,897,203,199,999
☐ 4,056,481,920,730,334,084,788,658,897,203,200,000 - 8,112,963,841,460,668,169,577,317,794,406,399,999
☐ 8,112,963,841,460,668,169,577,317,794,406,400,000 - 16,225,927,682,921,336,339,154,635,588,812,799,999
☐ 16,225,927,682,921,336,339,154,635,588,812,800,000 - 32,451,855,365,842,672,678,309,271,177,625,599,999
☐ 32,451,855,365,842,672,678,309,271,177,625,600,000 - 64,903,710,731,685,345,356,618,542,355,251,199,999
☐ 64,903,710,731,685,345,356,618,542,355,251,200,000 - 129,807,421,463,370,690,713,237,084,710,502,399,999
☐ 129,807,421,463,370,690,713,237,084,710,502,400,000 - 259,614,842,926,741,381,426,474,169,421,004,799,999
☐ 259,614,842,926,741,381,426,474,169,421,004,800,000 - 519,229,685,853,482,762,852,948,338,842,009,599,999
☐ 519,229,685,853,482,762,852,948,338,842,009,600,000 - 1,038,459,371,706,965,525,705,897,677,684,019,199,999
☐ 1,038,459,371,706,965,525,705,897,677,684,019,200,000 - 2,076,918,743,413,931,051,411,795,355,368,038,399,999
☐ 2,076,918,743,413,931,051,411,795,355,368,038,400,000 - 4,153,837,486,827,862,102,823,590,710,736,799,999
☐ 4,153,837,486,827,862,102,823,590,710,736,800,000 - 8,307,674,973,655,724,205,647,181,421,473,599,999
☐ 8,307,674,973,655,724,205,647,181,421,473,600,000 - 16,615,349,947,311,448,411,294,362,842,947,199,999
☐ 16,615,349,947,311,448,411,294,362,842,947,200,000 - 33,230,699,894,622,896,822,588,725,685,894,399,999
☐ 33,230,699,894,622,896,822,588,725,685,894,400,000 - 66,461,399,789,245,793,645,171,371,371,799,999
☐ 66,461,399,789,245,793,645,171,371,371,800,000 - 132,922,799,578,491,587,290,342,742,743,599,999
☐ 132,922,799,578,491,587,290,342,742,743,600,000 - 265,845,599,156,983,174,580,685,485,487,199,999
☐ 265,845,599,156,983,174,580,685,485,487,200,000 - 531,691,198,313,966,349,161,370,970,974,399,999
☐ 531,691,198,313,966,349,161,370,970,974,400,000 - 1,063,382,396,627,932,698,322,741,941,948,799,999
☐ 1,063,382,396,627,932,698,322,741,941,948,800,000 - 2,126,764,793,255,865,396,645,483,883,897,599,999
☐ 2,126,764,793,255,865,396,645,483,883,897,600,000 - 4,253,529,586,511,730,793,291,967,767,795,199,999
☐ 4,253,529,586,511,730,793,291,967,767,795,200,000 - 8,507,059,173,023,461,586,583,935,535,590,399,999
☐ 8,507,059,173,023,461,586,583,935,535,590,400,000 - 17,014,118,346,046,933,173,167,871,071,180,799,999
☐ 17,014,118,346,046,933,173,167,871,071,180,800,000 - 34,028,236,692,093,866,346,334,742,142,361,599,999
☐ 34,028,236,692,093,866,346,334,742,142,361,600,000 - 68,056,473,384,187,732,692,669,484,284,723,199,999
☐ 68,056,473,384,187,732,692,669,484,284,723,200,000 - 136,112,946,768,375,465,385,



2/11/03

STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
ASBESTOS CONTROL BUREAU
State Office Campus
Building 12 - Room 133
Albany, N.Y. 12240

EMERGENCY NOTIFICATION

a. Date of Request: b. Time:

c. Name of Person Granting Request:

AMENDED NOTIFICATION

a. ☒ Postponed ☐ Cancelled
b. New Start Date: 3-18-03
c. New End Date: 3-4-03

d. Submitted By: Peter Grande

Refer to Information Sheet or Code Rule 56 for Time Deadlines

Amended
ASBESTOS PROJECT NOTIFICATION

WITHIN TWO WORKING DAYS
EMERGENCY APPROVAL you must
duplicate copies of this form
appropriate fee to the Asbestos
Bureau at the address shown

1. NAME AND ADDRESS OF CONTRACTOR

FIBER CONTROL INC.
3010 BURNS AVENUE
WANTAGH, NY 11793

2. FEDERAL EMPLOYER IDENTIFICATION NO.

11-2855741

3. ASBESTOS LICENSE NO.

99-072

4. MAILING ADDRESS, (if different than listed in ITEM 1)

5. NAME AND ADDRESS OF PARTY FOR WHOM THE PROJECT IS BEING PERFORMED:
IRON EAGLE ENVIRONMENTAL SVCS INC: 3401 MERRICK RD STE 2 WANTAGH, NY 11793

6. a. NAME AND TITLE OF DULY AUTHORIZED REPRESENTATIVE

PETER GRANDE, PROJECT MANAGER

b. TELEPHONE NO.

516-761-3000

PROJECT INFORMATION

PROVIDE ALL INFORMATION REQUESTED FOR THE BUILDING SITE AT WHICH THE ASBESTOS PROJECT WILL BE CONDUCTED

7. ADDRESS (INCLUDE NAME OF BUILDING, ROOM NO., CITY, TOWN, VILLAGE):
140 CANTAGOE RD, RICKSVILLE, NY 11801

8. NAME OF BUILDING OWNER
GTE OPERATIONS SUPPORT
BLUE WATER ENVIRONMENTAL

9. COUNTY: NASSAU

10. CURRENT USE OF BUILDING
VACANT11. AGE OF BUILDING
5012. TOTAL CONTRACT AMOUNT
180

13. PROJECT DATE(S) - List
phased project dates in
REMARKS (item 28)

a. ACTUAL STARTING DATE
02/06/03

b. PROJECTED ENDING DATE
02/16/03

14. TYPE OF ASBESTOS WORK (CHECK
ALL WHICH APPLY)

☐ Pipe Related
☐ Sprayed on Insulation
☒ Roofing, Flashing
☐ Vessel Covering
☐ Siding
☐ VAT
☐ Demolition
☐ Other (Specify)

15. WILL WORK ON THE PROJECT BE CONDUCTED UNDER A VARIANCE? If
yes, specify the type of variance
☒ APPLICABLE VARIANCE - NO AV119
☐ INDIVIDUAL VARIANCE - PETITION NO. _____

16. WILL SUBCONTRACTORS BE USED ON THE PROJECT? ☒ NO ☐ YES
If yes, please list name and federal employer identification number of each
subcontractor in REMARKS (item 28) on reverse of form.

17. ASBESTOS PROCEDURE(S) TO BE USED
(CHECK ALL WHICH APPLY)

☒ REMOVAL ☐ DEMOLITION
☐ ENCLOSURE ☐ DISTURBANCE
☐ ENCAPSULATION ☐ HANDLING
☐ OTHER (Specify)

18. TYPE OF ASBESTOS
MATERIAL

☐ FRIABLE
☒ NON-FRIABLE

19. AMOUNT OF ASBESTOS INVOLVED - CHECK ALL APPLICABLE BOX(ES)

LINEAR FEET

☐ Less than 260 (Specify)
☐ (5100) 260-429
☐ (5200) 430-824
☐ (5500) 825-1639
☐ (51000) 1650 OR MORE (Specify)

SQUARE FEET

☐ Less than 160 (Specify)

☐ (5100) 160-259
☐ (5200) 260-499
☐ (5500) 500-999
☒ (51000) 1000 OR MORE (Specify)

3000

20. METHODS TO BE USED AT PROJECT SITE TO PREVENT ASBESTOS DISSEMINATION (INCLUDING TYPE OF EQUIPMENT AND VENTILATION SYSTEMS USED)

I certify that the information specified on this notification is true and accurate and that the project will be conducted in compliance with the requirements of Code Rule 56.

Signature of the Contractor or Duly Authorized Representative

1-23-03

b. Date

PREPARE THIS APPLICATION IN TRIPLICATE AND SUBMIT:

- An original and one copy (with an ink signature on both copies) to the New York State Department of Labor, Division of Safety and Health, Asbestos Control Bureau, State Office Campus, Building 12-Room 133, Albany, NY 12240; retain one copy for your records.
- A check or money order, made payable to the Commissioner of Labor, for the fee due based on the project size as shown in item 19.

This notification must be submitted at least 10 days prior to the starting date of the asbestos project.

SYL00116181

2/18/03

2 ♀ Postponed - Cancelled
New Start Date 2/20/03
New End Date 3/6/03

Refer to Information Sheet or Code
Page 58 for Time Deadline!

STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
ASBESTOS CONTROL BUREAU
State Office Campus
Building 12 - Room 133
Albany, N. Y. 12240

Amended
ASBESTOS PROJECT NOTIFICATION

Date of Request:

c. Name of Person Grant

WITHIN TWO WORKING
EMERGENCY APPROVAL
SUGGEST COPIES OF THIS
APPROPRIATE FEE TO THE
BUREAU OF THE ACCOUNTING

NAME AND ADDRESS OF CONTRACTOR

FIBER CONTROL INC.
3010 BURNS AVENUE
WANTAGH, NY 11793

1 FEDERAL EMPLOYER IDENTIFICATION NO 1 ASBESTOS URGENT
11-7855741

MAILING ADDRESS (if different from above) _____

5. NAME AND ADDRESS OF PARTY FOR WHOM THE PROJECT IS BEING PERFORMED:
IRON EAGLE ENVIRONMENTAL SVCS INC 3401 MERRICK RD STE 2 WANTACH, NY 11795

4. NAME AND TITLE OF YOUR AUTHORIZED REPRESENTATIVE

PETER GRANDE, PROJECT MANAGER

1. REF-CVEND

516-731-3

PROJECT INFORMATION

FIGURE 2. INFORMATION REQUESTED FOR THE 1990 SURVEY OF THE 1980-1989 ASSISTED PROJECTS, BY COUNTY

120 CARRIDGE HILL RD. ROCKSVILLE, NY 11851

5. NAME OF THE OPERATIONS SUPPORT

UNCLASSIFIED

10 CURRENT USE OF BUILDING
VACANT

... 207 255-10000
50

As the car was moving

13 PROJECT DATES: List
changes project dates in
REMARKS, item 231

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED

15. WILL WORK ON THE PROJECTS IDENTIFIED UNDER A FUNDING
WILL BEING THE BEST OF SCIENCE

~~1. POLICE DEPARTMENT~~ 1. POLICE DEPARTMENT
2. POLICE DEPARTMENT 2. POLICE DEPARTMENT

ACTUAL STARTING DATE
02/06/03

- ☐ Side Related
- ☐ Improved an Insulation
- ☒ Roofing Flashing
- ☐ Vessel Covering
- ☐ Siding
- ☐ Vint
- ☐ Demolition
- ☐ Other (Specify)

the value of χ^2 is 1.91, which is less than the critical value of 3.84, so we fail to reject the null hypothesis. There is no significant difference between the observed and expected frequencies.

Please provide full name and telephone number over identification number of the
submitting party to DISMARKS High-IP or revenue stream

USE THESE PROCEDURES TO BE USED
(OTHER THAN THE ONE ABOVE)

<input checked="" type="checkbox"/> REMOVAL	<input type="checkbox"/> DEMOLITION
<input type="checkbox"/> ENCLOSURE	<input type="checkbox"/> DISTURBANCE
<input type="checkbox"/> ENCAPSULATION	<input type="checkbox"/> HANDLING
<input type="checkbox"/> OTHER (Specify)	

התאחדות הסטודנטים
המערבית

— 55.45.5

~~X~~ NON-PAID

AMOUNT OF ASSETS INVOLVED - \$100,000.00 (CALCULATED)
 1/1/77 3/31/77

DATE	DESCRIPTION	AMOUNT	DATE	DESCRIPTION	AMOUNT
1950-01-01	Balance	100.00	1950-01-01	Balance	100.00
1950-01-15	Interest	1.00	1950-01-15	Interest	1.00
1950-02-01	Interest	1.00	1950-02-01	Interest	1.00
1950-02-15	Interest	1.00	1950-02-15	Interest	1.00
1950-03-01	Interest	1.00	1950-03-01	Interest	1.00
1950-03-15	Interest	1.00	1950-03-15	Interest	1.00
1950-04-01	Interest	1.00	1950-04-01	Interest	1.00
1950-04-15	Interest	1.00	1950-04-15	Interest	1.00
1950-05-01	Interest	1.00	1950-05-01	Interest	1.00
1950-05-15	Interest	1.00	1950-05-15	Interest	1.00
1950-06-01	Interest	1.00	1950-06-01	Interest	1.00
1950-06-15	Interest	1.00	1950-06-15	Interest	1.00
1950-07-01	Interest	1.00	1950-07-01	Interest	1.00
1950-07-15	Interest	1.00	1950-07-15	Interest	1.00
1950-08-01	Interest	1.00	1950-08-01	Interest	1.00
1950-08-15	Interest	1.00	1950-08-15	Interest	1.00
1950-09-01	Interest	1.00	1950-09-01	Interest	1.00
1950-09-15	Interest	1.00	1950-09-15	Interest	1.00
1950-10-01	Interest	1.00	1950-10-01	Interest	1.00
1950-10-15	Interest	1.00	1950-10-15	Interest	1.00
1950-11-01	Interest	1.00	1950-11-01	Interest	1.00
1950-11-15	Interest	1.00	1950-11-15	Interest	1.00
1950-12-01	Interest	1.00	1950-12-01	Interest	1.00
1950-12-15	Interest	1.00	1950-12-15	Interest	1.00
1950-12-31	Interest	1.00	1950-12-31	Interest	1.00
1951-01-01	Interest	1.00	1951-01-01	Interest	1.00
1951-01-15	Interest	1.00	1951-01-15	Interest	1.00
1951-02-01	Interest	1.00	1951-02-01	Interest	1.00
1951-02-15	Interest	1.00	1951-02-15	Interest	1.00
1951-03-01	Interest	1.00	1951-03-01	Interest	1.00
1951-03-15	Interest	1.00	1951-03-15	Interest	1.00
1951-04-01	Interest	1.00	1951-04-01	Interest	1.00
1951-04-15	Interest	1.00	1951-04-15	Interest	1.00
1951-05-01	Interest	1.00	1951-05-01	Interest	1.00
1951-05-15	Interest	1.00	1951-05-15	Interest	1.00
1951-06-01	Interest	1.00	1951-06-01	Interest	1.00
1951-06-15	Interest	1.00	1951-06-15	Interest	1.00
1951-07-01	Interest	1.00	1951-07-01	Interest	1.00
1951-07-15	Interest	1.00	1951-07-15	Interest	1.00
1951-08-01	Interest	1.00	1951-08-01	Interest	1.00
1951-08-15	Interest	1.00	1951-08-15	Interest	1.00
1951-09-01	Interest	1.00	1951-09-01	Interest	1.00
1951-09-15	Interest	1.00	1951-09-15	Interest	1.00
1951-10-01	Interest	1.00	1951-10-01	Interest	1.00
1951-10-15	Interest	1.00	1951-10-15	Interest	1.00
1951-11-01	Interest	1.00	1951-11-01	Interest	1.00
1951-11-15	Interest	1.00	1951-11-15	Interest	1.00
1951-12-01	Interest	1.00	1951-12-01	Interest	1.00
1951-12-15	Interest	1.00	1951-12-15	Interest	1.00
1951-12-31	Interest	1.00	1951-12-31	Interest	1.00
1952-01-01	Interest	1.00	1952-01-01	Interest	1.00
1952-01-15	Interest	1.00	1952-01-15	Interest	1.00
1952-02-01	Interest	1.00	1952-02-01	Interest	1.00
1952-02-15	Interest	1.00	1952-02-15	Interest	1.00
1952-03-01	Interest	1.00	1952-03-01	Interest	1.00
1952-					

20. METHODS TO BE USED AT ASBESTOS SITE TO PREVENT ASBESTOS CONTAMINATION OF ALL OF EQUIPMENT AND VENTILATION SYSTEMS USED

I certify that the information specified on this notification is true and accurate and that the project will be conducted in accordance with the requirements of Code Title 95A.

2. Signature of the Contractor or Duly Authorized Representative

6.529

PREPARE THIS APPLICATION IN TRIPPLICATE AND SUBMIT:

- An original and one copy (with an ink signature on both copies) to the New York State Department of Labor, Division of Safety and Health, Asbestos Control Bureau, State Office Campus, Building 12-Room 132, Albany, NY 12240; retain one copy for your records.
- A check or money order, made payable to the Commissioner of Labor, for the fee due based on the project size as shown in item 19. This notification must be submitted at least 10 days prior to the starting date of the asbestos project.

SYL00116182

Fiber Control Inc.

3010 Burns Avenue
Wantagh, NY 11793-3296
Tel: (516) 781-3000
Fax: (516) 781-3085
www.actionhazmat.com

February 18, 2003

State of New York Dept of Labor
Division of Safety & Health
Asbestos Control Bureau
State Office Campus
Building 12 - Room 133
Albany, NY 12240

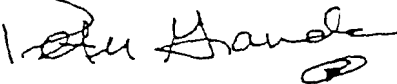
Re: 140 CANTIAGUE RD
HICKSVILLE, NY 11801
EAST ROOF

To Whom It May Concern:

Please be advised that due to the blizzard on 2-17-03, we were unable to start the asbestos removal project at the above referenced location.

We are scheduled to start removal on Thursday, February 20, 2003, assuming roof can be cleared of all snow. If not, further amendments will be forwarded to your attention.

Sincerely,



Peter Grande
PROJECT MANAGER

PG:ls
Enc.

 **FAXED**
2/18/03

SYL00116183



STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
ASBESTOS CONTROL BUREAU
State Office Campus
Building 12 - Room 133
Albany, N.Y. 12240

EMERGENCY NOTICE

a. Date of Request

c. Name of Person

WITHIN TWO WORKING
HOURS OF RECEIVING
EMERGENCY REQUEST
FURNISH COPIES OF THE
APPROPRIATE FEES TO THE
BUREAU AT THE ADDRESS ABOVE

AMENDED NOTIFICATION

a. ☒ Postponed - Canceledc. New Start Date 2-21-03d. New End Date 3-7-03

Peter Grance
Refer to Information Sheet of Code
Rule 56 for Time Deadlines

Amended
ASBESTOS PROJECT NOTIFICATION

1. NAME AND ADDRESS OF CONTRACTOR

FIBER CONTROL INC.
3010 BURNS AVENUE
WANTAGH, NY 11793

2. FEDERAL EMPLOYER IDENTIFICATION NO.

11-2955741

3. ASBESTOS LICENSE NO.

4. MAILING ADDRESS (if different than listed in item 1)

5. NAME AND ADDRESS OF PARTY FOR WHOM THE PROJECT IS BEING DONE
IRON EAGLE ENVIRONMENTAL SVCS INC. 3401 MERRICK RD STE 1 WANTAGH, NY 11793

6. NAME AND TITLE OF DULY AUTHORIZED REPRESENTATIVE

PETER GRANCE, PROJECT MANAGER

7. TELEPHONE NO.

() 516-781-2

PROJECT INFORMATION

PROVIDE ALL INFORMATION REQUESTED FOR THE BUILDING SITE AT WHICH THE ASBESTOS PROJECT WILL BE CONDUCTED

ADDRESS (WITH NAME OF BUILDING, ROOM NO., CITY, TOWN, VILLAGE)
140 CARTAGUS RD. HICKSVILLE, NY 11751

8. NAME OF BUILDING OWNER
GTE OPERATIONS SUPPLY
800-444-4444

9. COUNTY
NASSAU10. CURRENT USE OF BUILDING
VACANT11. AGE OF BUILDING
5012. TOTAL CONTRACT AMOUNT
120

13. PROJECT DATE(S) - List
of dates project dates in
REMARKS (item 25):

a. ACTUAL STARTING DATE
02/06/03

b. PROJECTED ENDING DATE
02/16/03

14. TYPE OF ASBESTOS WORK (CHECK ALL WHICH APPLY)

- ☐ Pipe Related
☐ Scrapped or Insulation
☒ Roofing, Flashing
☐ Vessel Covering
☐ Siding
☐ V.A.T.
☐ Demolition
☐ Other (Specify)

15. WILL WORK ON THE PROJECT BE CONDUCTED UNDER A VARIANCE?

yes: specify the type of variance
☒ APPLICABLE VARIANCE - NO AV119
☐ INDIVIDUAL VARIANCE - YES/NO

16. WILL SUBCONTRACTORS BE USED ON THE PROJECT? ☒ NO ☐ YES

If yes, please list name and federal employer identification number of all
subcontractors in REMARKS (item 25) or reverse of form

17. ASBESTOS PROCEDURES TO BE USED
(CHECK ALL WHICH APPLY)

- ☒ REMOVAL ☐ DEMOLITION
☐ ENCLOSURE ☐ DISTURBANCE
☐ ENCAPSULATION ☐ HANDLING
☐ OTHER (Specify)

18. TYPE OF ASBESTOS
MATERIAL☐ FRIABLE☒ NON-FRIABLE

19. AMOUNT OF ASBESTOS INVOLVED (CHECK ALL APPLICABLE BOXES)

LINEAR FEET

☐ Less than 100 (Specify)

- ☐ 15'000' 250-499
☐ 15'000' 450-699
☐ 15'000' 800-1249
☐ 15'000' 1600 OR MORE

(Specify)

SQUARE FEET

☐ Less than 100 (Specify)

- ☐ 15'000' 160-259
☐ 15'000' 250-499
☐ 15'000' 500-999
☒ 15'000' 1000 OR MORE

(Specify)

20. METHODS TO BE USED AT PROJECT SITE TO PREVENT ASBESTOS DISSEMINATION (INCLUDING TYPE OF EQUIPMENT AND VENTILATION SYSTEMS USED)

I certify that the information specified on this notification is true and accurate and that the project will be conducted in compliance with the requirements of Code Rule 56.

Peter Grance
Signature of the Contractor or Duly Authorized Representative

1-23-C3

b. Date

PREPARE THIS APPLICATION IN TRIPLICATE AND SUBMIT:

- An original and one copy (with an ink signature on both copies) to the New York State Department of Labor, Division of Safety and Health, Asbestos Control Bureau, State Office Campus, Building 12-Room 133, Albany, NY 12240; retain one copy for your records.
 - A check or money order, made payable to the Commissioner of Labor, for the fee due based on the project size as shown in item 19.
- This notification must be submitted at least 10 days prior to the starting date of the asbestos project.

APPENDIX E

PROJECT CERTIFICATIONS AND LICENSES

SYL00116185



STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
License and Certificate Unit
BUILDING 12, Room 181
STATE CAMPUS
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

RESTRICTED LICENSE - NO ASBESTOS REMOVAL PERMITTED

LICENSE NUMBER: 99-0085

DATE OF ISSUE: 4/1/02

EXPIRATION DATE: 4/30/03

Contractor: URS Corporation Group Consultants

Address: One Penn Plaza, Suite 610
New York, NY 10119

Duly Authorized Representative: Thomas J. Clancy

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. The licensee verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Richard Cucolo, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (10-00)

SYL00116186

MARK REED (URS)

MUST BE CARRIED ON ASBESTOS PROJECTS



ADDRESS CORRESPONDENCE TO:
(include certificate number)
NYS Department of Labor
DOSH - License and Certificate Unit
PO Box 687, New York, NY 10014-0687

CERTIFICATE NUMBER	
AH 89-03625	
EXPIRES	
SOCIAL SECURITY NUMBER	
XXX-XX-8294	
EYES	HAIR
HAE	BPO
WEIGHT	HEIGHT
160 ^{1/2}	6 00

062139



STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

ASBESTOS HANDLING CERTIFICATE
AUTHORIZED CLASSES

C (01/04), D (01/04), H (01/04)
I (01/04)

MARK T REED
34 BISHOP LANE
HICKSVILLE, NY

11801

RICHARD CUCOLO Director For the Commissioner of Labor
DOSH-442 (01/91)

SYL00116187



STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
License and Certificate Unit
BUILDING 12, Room 161
STATE CAMPUS
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

RESTRICTED LICENSE - NO ASBESTOS REMOVAL PERMITTED

Contractor: URS Corporation Group Consultants

Address: One Penn Plaza, Suite 610
New York, NY 10119

LICENSE NUMBER: 99-0085
DATE OF ISSUE: 4/1/02
EXPIRATION DATE: 4/30/03

Duly Authorized Representative: Thomas J. Clancy

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. The licensee verifies that all persons employed by the licensee on asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work to perform, by the New York State Department of Labor.

Richard Cucolo, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (10-00)

SYL00116188

Tim CUNNINGHAM (URS)



STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

ASBESTOS HANDLING CERTIFICATE
AUTHORIZED CLASSES
C - SAMPLING TECHNICIAN (05/03)
H - PROJECT MONITOR (05/03)

TIMOTHY P. CUNNINGHAM
164 CANNON AVENUE
STATEN ISLAND NY

10314

RICHARD CUCOLO, Director - For the Commissioner of Labor
DOSH-442 (01/91)

MUST BE CARRIED ON ASBESTOS PROJECTS



ADDRESS CORRESPONDENCE TO:
(include certificate number)
NYS Department of Labor
DOSH - License and Certificate Unit
PO Box 587, New York, NY 10014-0687

CERTIFICATE NUMBER AH 01-05972	
EXPIRES	
SOCIAL SECURITY NUMBER 084-64-4479	
EYES GRY	HAIR BRD
WEIGHT 155lbs.	HEIGHT 5' 09"

086711C

In accordance with 29 CFR 1910.120 of Occupational Safety and Health
Standards of U.S. OSHA
U.S. EPA and Section 126 of SARA and NYS DEC

The trainee acknowledges that the training materials presented during the
training should not be applied to jobs or actions beyond its intent.

Signature of Trainee:

SS# 084-64-4479 D.O.B. 05/29/63

Exam Date: 05/10/02 Exam Grade: Pass

Authorized Signature:

CERTIFICATE EXPIRATION DATE: 05/10/03

CES Environmental and Training Center
Executive Development Solutions Corporation
One Penn Plaza • 32nd Floor • New York • NY 10119
212.238.6333 • FAX 212.238.6326

HAZARDOUS WASTE OPERATIONS & EMERGENCY
RESPONSE HAZWOPER 40-HOURS OSHA
29 CFR 1910.120

CERTIFICATE No. 2002-032

TIM CUNNINGHAM

SYL00116189



STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
License and Certificate Unit
BUILDING 12, Room 161
STATE CAMPUS
ALBANY, NY 12240
ASBESTOS HANDLING LICENSE

LICENSE NUMBER: 99-0723
DATE OF ISSUE: 8/21/02
EXPIRATION DATE: 8/31/03

Contractor: Fiber Control Inc.

Address: 3010 Burns Avenue
Wantagh, NY 11793

Duly Authorized Representative: Ralph Pantony

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. The licensee verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Richard Cucolo, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (10-00)

SYL00116190

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

PART 364

WASTE TRANSPORTER PERMIT NO. 1A-400

Pursuant to Article 27, Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

BLUE WATER ENVIRONMENTAL, INC.
1610 NEW HIGHWAY
FARMINGDALE, NY 11735

PERMIT TYPE:

☐ NEW
☐ RENEWAL
☒ MODIFICATIONCONTACT NAME: MICHAEL J. POSILLICO
COUNTY: SUFFOLK
TELEPHONE NO: (631)752-2145EFFECTIVE DATE: 01/23/2003
EXPIRATION DATE: 11/30/2003
US EPA ID NUMBER: NYR00015271

AUTHORIZED WASTE TYPES:

The Permittee is Authorized to Transport the Following Waste Type(s):

Non-Hazardous Industrial/Commercial

Petroleum Contaminated Soil

Hazardous Industrial/Commercial

AUTHORIZED VEHICLES:

The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul septage only)

3 PERMITTED VEHICLE(S)

NY 73745AE

NY AD46436

NY AD46447

End of List

} ← very truck used.

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

PERMIT ADMINISTRATOR: Barbara J. EmerickADDRESS: New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7253AUTHORIZED SIGNATURE: Barbara J. Emerick Date: 1/12/03

PAGE 1 OF 1

SYL00116191

110 Sand Company

170 Cabot Street
West Babylon, New York 11704
631-249-4108 Fax 631-249-4126

PIT LOCATION: BETHPAGE/SPAGNOLI ROAD, MELVILLE, N.Y. 11747 (631) 694-2822 FAX (631) 694-2832

February 24, 2003

Blue Water Environmental
1610 New Highway
Farmingdale, NY 11735

Attention: Anthony Schneider

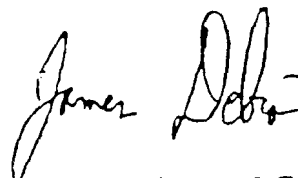
Ref: 140 Cantiague Rock Road, Hicksville, NY

To whom this may concern:

Please be advised that the 110 Sand Company is willing to and legally may accept nonfriable asbestos roofing and caulking materials from the above referenced job, for disposal in its clean fill landfill. These roof deck materials are a non-hazardous industrial/commercial waste. The 110 Sand Co. is permitted by the New York State Department of Environmental Conservation (Permit No. 1-4726-00490/00003) Region 1.

If I can be of any further assistance, please do not hesitate to call be at the above phone number.

Very truly yours,

A handwritten signature in black ink, appearing to read "James Debis".

James Debis, P.E.
Engineer

SYL00116192

DEC PERMIT NUMBER 1-6726-00490/00003-0
FACILITY/PROGRAM NUMBER(S) 52-0-12



Under the Environmental
Conservation Law

EFFECTIVE DATE
September 16, 1995

EXPIRATION DATE(S)
September 13, 2005

TYPE OF PERMIT ☒ New ☐ Renewal ☐ Modification ☐ Permit to Construct ☐ Permit to Operate

- | | | |
|---|---|--|
| <input type="checkbox"/> Article 15, Title 5: Protection of Waters | <input type="checkbox"/> Article 608: Water Quality Certification | <input checked="" type="checkbox"/> Article 27, Title 7: ARTICLE 360: Solid Waste Management |
| <input type="checkbox"/> Article 15, Title 13: Water Supply | <input type="checkbox"/> Article 17, Title 7, §: SPDES | <input type="checkbox"/> Article 27, Title 9: ARTICLE 373: Hazardous Waste Management |
| <input type="checkbox"/> Article 15, Title 19: Water Transport | <input type="checkbox"/> Article 19: Air Pollution Control | <input type="checkbox"/> Article 34: Coastal Erosion Management |
| <input type="checkbox"/> Article 15, Title 15: Long Island Vella | <input type="checkbox"/> Article 25, Title 27: Mined Land Reclamation | <input type="checkbox"/> Article 34: Floodplain Management |
| <input type="checkbox"/> Article 15, Title 27: Wild, Scenic and Recreational Rivers | <input type="checkbox"/> Article 24: Freshwater Wetlands | <input type="checkbox"/> Articles 1, 3, 17, 19, 27, 37: ARTICLE 380: Radiation Control |
| <input type="checkbox"/> Article 23: Tidal Wetlands | | |

☐ Other:

PERMIT ISSUED TO Broad Hollow Estates and 110 Sand Co. - Attn: Dexter Brown		TELEPHONE NUMBER (914) 944-2460 (516) 696-2822 JYS-4138	
ADDRESS OF PERMITTEE Broad Hollow Estates - P.O. Box 368, Purchase NY 10577 110 Sand Co., - 179 Cabot Street, West Babylon NY 11704			
CONTACT PERSON FOR PERMITTED WORK Paul Lapping - Lockwood, Kessler and Berstett		TELEPHONE NUMBER (516) 938-0600	
NAME AND ADDRESS OF PROJECT/FACILITY 110 Sand Company Clean fill disposal site Bethpage-Spennell Road			
LOCATION OF PROJECT/FACILITY Melville			
COUNTY Suffolk	TOWN Huntington	WATERCOURSE N/A	WTH COORDINATES
DESCRIPTION OF AUTHORIZED ACTIVITY Construct and operate an expansion of an existing 58 acre clean fill disposal site by adding 63 acres in four phases (VII through X). The operation will be at the rate of 6000 cubic yards per day disposal of clean fill defined as concrete, steel, wood, sand, dirt, soil, glass, construction and demolition debris and other inert material designated by the Department.			

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified (see page 2) and any Special Conditions included as part of this permit.

PERMIT ADMINISTRATOR: Roger Evans	ADDRESS Bldg. 40, SUNY, Room 219, Stony Brook, NY 11790-2354		
AUTHORIZED SIGNATURE 	DATE September 16, 1995	Page 1 of 12	

SYL00116193

FEB-24-2003 16:54

AMERISC CORP

516 334 4470

PAGE 02
F.01/01

AMERISC CERTIFICATE OF LIABILITY INSURANCE

02/24/03

PRODUCER The Amerisc Corporation Construction Services 2001 Marcus Avenue, Ste. W280 Lake Success NY 11042 Phone: 516-334-4500 Fax: 516-354-4470	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.
INSURED Iron Eagle Environmental 3401 Merrick Road Wantagh NY 11793	INSURERS AFFORDING COVERAGE INSURER A: American Safety Casualty InsCo INSURER B: General Star Indemnity Ins. Co INSURER C: Merchants Mutual Insurance Co. INSURER D: Continental Assurance Co. INSURER E:

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A <input checked="" type="checkbox"/> GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Abatement Liab <input checked="" type="checkbox"/> Contractors Liab GEN'L AGGREGATE LIMIT APPLIES PER <input type="checkbox"/> POLICY <input type="checkbox"/> OCC <input type="checkbox"/> LOC	012463001	07/03/02	07/03/03	EACH OCCURRENCE \$1,000,000 FIRE DAMAGE (Any one Act) \$50,000 MED EXP (Any one person) \$5,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$1,000,000 PRODUCTS - COMPOS AGG \$1,000,000
C <input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	CAP9251279	04/25/02	04/25/03	COMBINED SINGLE LIMIT (EA accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
D <input type="checkbox"/> DAMAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY: EA ACC \$ AGG \$
B <input checked="" type="checkbox"/> EXCESS LIABILITY <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DEDUCTIBLE <input checked="" type="checkbox"/> RETENTION \$10000	IX0376953A	06/22/02	06/22/03	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000 \$ \$ \$
A WORKERS COMPENSATION AND EMPLOYERS LIABILITY	WC00002129000-01	07/03/02	07/03/03	<input checked="" type="checkbox"/> WC STATU: TQAY LIMITS <input type="checkbox"/> OTH: ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
D OTHER Disability	2P85881A9AA	06/01/97	12/31/10	Statutory

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS:
 PROJECT: ASBESTOS ROOF REMOVAL & DISPOSAL AT 140 CANTLAQUE ROCK ROAD, HICKSVILLE, NY. CERTIFICATE HOLDER & GTE OPERATION SUPPORT, INC & ARE INCLUDED AS ADDITIONAL INSURED AS RESPECTS TO GENERAL LIABILITY ONLY IF REQUIRED BY A WRITTEN CONTRACT OR AGREEMENT

CERTIFICATE HOLDER

Y

ADDITIONAL INSURED; INSURER LETTER: A

CANCELLATION

BLUEWAT

 BLUE WATER ENVIRONMENTAL, INC
 1610 NEW HIGHWAY
 PARKINGDALE NY 11735

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

VP THE AMERISC CORP

ACORD 25-S (7/97)

© ACORD CORPORATION 1988

TOTAL P.01

SYL00116194

APPENDIX F

NON-HAZARDOUS WASTE MANIFESTS

SYL00116195

110 Sand Company

70 Cabot Street
Vest Babylon, New York 11704

TELEPHONES

Office - 631-249-4108
Scalehouse - 631-694-2822
Landfill - 631-694-2848

TOMER NO.	P.O. NUMBER	TRUCK NO.	TYPE OF SALE	JOB NO.	OUR ORDER NUMBER	TICKET NO.
11428		0	LAND FILL			233013

TOMER NAME: BLUE WATER ENVIRONMENTAL				
DATE	TAX PERCENTAGE	TRUCK CODE	MATERIAL	
3/27/03			931	

GROSS	TARE	NET	UNIT	WEIGHED
		15.00	CU. YD.	OLD
IN	OUT	CHECK NO./CHARGE TYPE	LICENSE NO.	
13:25			73745RENY	

SERIAL DESCRIPTION
DEMOLITION (CR)

DELIVERY ADDRESS
SITE - HICKSVILLE 140 CANTIQUE ROCK CRR140-3 ROLL-OFF

RECEIVED BY:

DRIVER
 TURE
 DRIVER
 TURE

REVERSE SIDE FOR COLLECTION TERMS

TOTAL TODAY
QUANTITY THIS ORDER TODAY
LOADS THIS ORDER TODAY
OFFICE USE ONLY
BWE - 115-DON DUMBO

SYL00116196

Iron Eagle Environmental Serv

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1
of

CRR140-3

3. Generator's Name and Mailing Address

GTE Operation Support Inc.
140 Cantiague Rock Road Hicksville NY

site: 140 Cantiague Rock
Road Hicksville NY

4. Generator's Phone (516) 932-9157

5. Transporter 1 Company Name

Bluewater Environmental Inc.

6. US EPA ID Number

A. Transporter's Phone

631-752-2145

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

110 Sand Company Clean Fill Disposal Site
Bethpage-Spagnoli Road Melville, NY 11714

10. US EPA ID Number

C. Facility's Phone

631-694-2822

11. Waste Shipping Name and Description

a. Non-Friable Asbestos Roofing

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

1 15 15 yds.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Wastes.

Printed/Typed Name

Sean Acostinelli

Signature

Sean Acostinelli

Month Day Year

02/26/03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

ION CUMBO

Signature

ION CUMBO

Month Day Year

12/11/03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

SYL00116197

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

B. O'LOUGHLIN

Signature

B. O'LOUGHLIN

Month Day Year

12/27/03

ORIGINAL - RETURN TO GENERATOR

IO Sand Company

Labot Street
t Babylon, New York 11704

Office - 631-249-4108
Scalehouse - 631-694-2822
Landfill - 631-694-2848

ORDER NO.	P.O. NUMBER	TRUCK NO.	TYPE OF SALE	JOB NO.	OUR ORDER NUMBER	TICKET NO.
1428		0	LAND FILL			233830

ORDER NAME:			GROSS	TARE	NET	UNIT	WEIGHED BY
IE WATER ENVIRONMENTAL					30.00	CU. YD.	OLO

TAX PERCENTAGE	TRUCK CODE	MATERIAL CODE
37.03		931

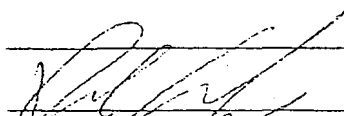
IN	OUT	CHECK NO. / CHARGE TYPE	LICENSE NO.
15:05			73745AENY

AL DESCRIPTION
LITION (LR)

DELIVERY ADDRESS
- HICKSVILLE 3 CANTIAGUE ROCK CRR140-4 L-OFF

TOTAL TODAY
QUANTITY THIS ORDER TODAY
LOADS THIS ORDER TODAY

RECEIVED BY:

RE 
E

OFFICE USE ONLY
ONE - 116-DON CUMBO

VERSE SIDE FOR COLLECTION TERMS

SYL00116198

Iron Eagle Environmental Servi

NON-HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1
of

CRR140-4

3. Generator's Name and Mailing Address

GTE Operation Supprt Inc.
140 Cantiague Rock Road Hicksville, NY

site:140 Cantiague Rock
Road, Hicksville, NY

4. Generator's Phone (516) 932-9157

5. Transporter 1 Company Name

Bluewater Environmental Inc.

6. US EPA ID Number

A. Transporter's Phone

631-752-2145

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

110 Sand Company Cleanfill Disposal Site
Bethpage-Spagnoli Road, Melville, NY 11714

10. US EPA ID Number

C. Facility's Phone

631-694-2822

11. Waste Shipping Name and Description

12. Containers

No.

Type

13.
Total
Quantity

14.
Unit
Wt/Vol

a.
Non-Friable Asbestos Roofing

1

30

30 yds

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Jean Agostinelli

Signature

Jean Agostinelli

Month Day Year

10/26/03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Don Cumbro

Signature

Don Cumbro

Month Day Year

11/10/03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

SYL00116199

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

B-O'LEIGHLEN

Signature

B-O'Leighlen

Month Day Year

12/27/03

ORIGINAL - RETURN TO GENERATOR

Iron Eagle Environmental Services

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1
of

CRR140-2

3. Generator's Name and Mailing Address

GTE Operation Support Inc.
140 Cantiague Rock Road Hicksville, NY

site: 140 Cantiague Rock
Road Hicksville, NY

4. Generator's Phone (516) 932-9157

5. Transporter 1 Company Name

Bluewater Environmental Inc.

6. US EPA ID Number

A. Transporter's Phone

631-752-2145

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

110 Sand Company Clean Fill Disposal Site
Bethpage-Spagnoli Road Melville, NY 11714

10. US EPA ID Number

C. Facility's Phone

631-694-2822

11. Waste Shipping Name and Description

12. Containers

No.

Type

13.
Total
Quantity

14.
Unit
Wt/Vol

a. Non-Friable Asbestos Roofing

1 1.5 15 yds.

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Jean Agostinelli

Signature

Jean Agostinelli

Month Day Year

02/26/03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Don CUMYU

Signature

Don CUMYU

Month Day Year

12/27/03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

SYL00116200

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19

Printed/Typed Name

B. O'LOUGHLIN

Signature

B. O'LOUGHLIN

Month Day Year

233794
12/27/03

ORIGINAL - RETURN TO GENERATOR

CUSTOMER COPY

Company

TELEPHONES

Office - 631-249-4108
Scalehouse - 631-694-2822
Landfill - 631-694-2848


1704

TRUCK NO.	TYPE OF SALE	JOB NO.	OUR ORDER NUMBER	TICKET NO.
0	LAND FILL			233779

IMMENTAL	GROSS	TARE	NET	UNIT	WEIGHED BY
			15.00	CU. YD.	DLJ
MATERIAL 2.000000	IN	OUT	CHECK NO./CHARGE TYPE	LICENSE NO.	
	9:49			73745AENY	

ADDRESS
K CRR140-1

DRY:



SECTION TERMS

TOTAL TODAY
QUANTITY THIS ORDER TODAY
LOADS THIS ORDER TODAY
OFFICE USE ONLY
BWE - 116-DON CUMBO

SYL00116201

4/11/6

Iron Eagle Environmental Serv

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	CRR140-1
3. Generator's Name and Mailing Address GTE Operation Support Inc. 140 Cantiague Rock Road Hicksville, NY				site:140 Cantiague Rock Road, Hicksville, NY	
4. Generator's Phone (516) 932-9157					
5. Transporter 1 Company Name Bluewater Environmental Int.		6. US EPA ID Number		A. Transporter's Phone 631-752-2145	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter's Phone	
9. Designated Facility Name and Site Address 110 Sand Company Clean Fill Disposal Site Bethpage-Spagnoli Road Melville, NY 11714		10. US EPA ID Number		C. Facility's Phone 631-694-2822	
11. Waste Shipping Name and Description				12. Containers No. Type	13. Total Quantity
a. Non-Friable Asbestos Roofing				1 15	15 yds
b.					
c.					
d.					
D. Additional Descriptions for Materials Listed Above				E. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Printed/Typed Name Jean Agostinelli		Signature Jean Agostinelli		Month Day Year 10-21-03	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name Don Combo		Signature Don Combo		Month Day Year 12-17-03	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space SYL00116202					
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name B. O'LOUGHLIN		Signature B. O'Loughlin		Month Day Year 12-27-03	

ORIGINAL - RETURN TO GENERATOR

WORK PLAN

COMPREHENSIVE SOIL REMEDIATION PROGRAM WORK PLAN

FORMER SYLVANIA ELECTRIC PRODUCTS FACILITY

HICKSVILLE, NEW YORK
SITE NUMBER V00089-1

GTE Operations Support Incorporated



ENVIROCON

URS



ENVIROCARE OF UTAH, INC.
THE SAFE ALTERNATIVE

 **STONE ENVIRONMENTAL INC**

 **BLUE WATER**
ENVIRONMENTAL INC.

For:

GTE Operations Support Incorporated
600 Hidden Ridge Drive
Irving, Texas 75038

January 18, 2002 (Revision 5: June 2003)

SYL00116370

WORK PLAN

COMPREHENSIVE SOIL REMEDIATION PROGRAM WORK PLAN

**FORMER SYLVANIA ELECTRIC PRODUCTS
FACILITY**

***HICKSVILLE, NEW YORK
SITE NUMBER V00089-1***

GTE Operations Support Incorporated



URS

ENVIROCON



**ENVIROCARE OF UTAH, INC.
THE SAFE ALTERNATIVE**

 **STONE ENVIRONMENTAL INC**

BLUE WATER 
ENVIRONMENTAL INC.

For:

**GTE Operations Support Incorporated
600 Hidden Ridge Drive
Irving, Texas 75038**

January 18, 2002 (Revision 5: June 2003)

SYL00116370



GTE Operations Support Incorporated
600 Hidden Ridge Drive (HQE03E75)
Irving, Texas 75038
(972) 718-4806

June 26, 2003

Mr. Robert Stewart (3)
Region I
Division of Environmental Remediation
New York State Department of Environmental Conservation
SUNY Campus Loop Bldg. 40
Stony Brook, New York 11790

Re: **Voluntary Cleanup Agreement**
For: Former Sylvania Electric Products Incorporated Facility
By: GTE Operations Support Incorporated
Site #: V-00089-1 Index #: W1-0903-01-12

Comprehensive Soil Remediation Program Work Plan (Revision 5: June 2003)

Enclosed is the *Comprehensive Soil Remediation Program Work Plan (Revision 5: June 2003)*. This submittal is intended to include all former revisions in one document for ease of use. Responses to the NYSDEC comments on Revision 4 of this Work Plan will be addressed under separate cover in the near future. Future revisions to Appendices will be forwarded to NYSDEC with Monthly Progress Reports, as appropriate.

If you have any questions or require additional information, please do not hesitate to contact me. I can be reached at 972-718-4806 or via facsimile at 972-719-0065.

Sincerely,

Jean Agostinelli
Vice President and Controller

Enclosures

SYL00116371

Mr. Robert Stewart
June 26, 2003
Page 2

cc: Denise D'Ambrosio, Esq.
New York State Department of
Environmental Conservation
200 White Plains Road, 5th Floor
Tarrytown, NY 10591-5805

Kevin Carpenter
Division of Environmental Remediation
New York State Department of
Environmental Conservation
625 Broadway
Albany, NY 12233-7015

Jerry Riggi
Division of Solid and Hazardous Materials
Bureau of Hazardous Waste & Radiation
Management
New York State Department of
Environmental Conservation
625 Broadway
Albany, NY 12233-7255

Tim LeBarron
Central Office Quality Assurance Unit
625 Central Broadway – 12th Floor
Albany, NY 12233-7012

Ms. Jane Houdek
c/o Lorna Goodman
Nassau County
One West Street
Mineola, NY 11501

Ms. Doreen Banks
Department of Recreation, Parks &
Support Services
Eisenhower Park Administration Building
East Meadow, NY 11554

David Feldman, Esq.
Legal Department
Verizon Corporate Services
1095 Avenue of the Americas, Rm 3806
New York, New York 10036

Gary Litwin
Bureau of Environmental Exposure Inv.
New York State Department of Health
Flannegan Square
547 River Street
Troy, NY 12180-2216

Jacquelyn Nealon
Bureau of Environmental
Exposure Investigation
New York State Department of Health
Flannegan Square, Room 300
547 River Street
Troy, NY 12180-2216

Robert Weitzman
Public Health Administration
Office of Public Health Administration
Nassau County Department of Health
240 Old County Road
Mineola, NY 11501-4250

Mr. Peter Witkowski
Department of Public Works
Nassau County
1550 Franklin Ave.
Mineola, NY 11501

Tim Kelly
Nassau Cty Department of Public Works
Water Resources Unit
170 Cantiague Rock Road
Hicksville, NY 11801

SYL00116372

Mr. Robert Stewart

June 26, 2003

Page 3

Mr. Jeff Goldstein
Air-Techniques, Incorporated
70 Cantiague Rock Road
Hicksville, NY 11802

Michael W. Ander
URS Corporation
One Continental Towers, Suite 1000
1701 Golf Road
Rolling Meadows, IL 60008

Carol Scholl
URS Corporation
One Continental Towers, Suite 1000
1701 Golf Road
Rolling Meadows, IL 60008

Daniel St. Germain
Malcolm Pirnie Inc.
17-17 Route 208 North
Fair Lawn, NJ 07410

Lucky Tabor
Envirocon
GTE Operations Support Incorporated
140 Cantiague Rock Road
Hicksville, NY 11801

Mr. Stephen Spry
216 East 47th Street, 31st Floor
New York, NY 10017

Pam M. Cox
URS Corporation
One Continental Towers, Suite 1000
1701 Golf Road
Rolling Meadows, IL 60008

Scott MacFabe
Malcolm Pirnie Inc.
1515 E. Woodfield Road, Suite 680
Schaumburg, IL 60173

John Ifkovits
Malcolm Pirnie Inc.
17-17 Route 208 North
Fair Lawn, NJ 07410

Rob Brathovde
URS Corporation
GTE Operations Support Incorporated
140 Cantiague Rock Road
Hicksville, NY 11801

Keith S. Robins
Senior Hydrogeologist
Dvirka and Bartilucci Consulting
Engineers
330 Crossways Park Drive
Woodbury, NY 11797-2015

SYL00116373

William Pratt
Kirkland & Ellis
153 East 53rd St
New York, NY 10022

Jennifer Selendy
Kirkland & Ellis
153 East 53rd St
New York, NY 10022

Douglas Poland
Kirkland & Ellis
Aon Center
200 east Randolph Drive
Chicago, IL 60601

Lisa K. Rushton
Paul, Hastings, Janofsky & Walker
1299 Pennsylvania Ave, NW, 10th Floor
Washington, DC 20004-2400

Robert L. Folks
Robert L. Folks & Associates, LLP
510 Broad Hollow Road, Ste305
Melville, NY 11747

Ned N. Isokawa
Paul, Hastings, Janofsky & Walker
55 Second Street 24th Flr
San Francisco, CA 94105

Charles A. Patrizia
Paul, Hastings, Janofsky & Walker
1299 Pennsylvania Ave, NW
Washington, DC 20004

Frank M. Holozubiec
Kirkland & Ellis
153 East 53rd St
New York, NY 10022

Barry S. Cohen
Certilman Balin Adler & Hyman, LLP
1393 Veterans Memorial Hwy, Ste 301S
Hauppauge, NY 11788

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NEW YORK STATE PROFESSIONAL ENGINEER CERTIFICATION

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LIST OF ABBREVIATIONS AND ACRONYMS

ACBM	asbestos-containing building materials
ACGIH	American Conference of Governmental Industrial Hygienists
AEC	Atomic Energy Commission
ASHERA	Asbestos Hazard Emergency Response Act
AIHA	American Industrial Hygiene Association
ALARA	As low as reasonably achievable
ANSI	American National Standards Institute
ASP	Analytical Services Protocol
ASTM	American Society for Testing and Materials
BG	background sample
bgs	below ground surface
bsl	below sea level
C	ceiling limit
CA	controlled area
CAMP	Community Air Monitoring Program
CAS	chemical abstract service
CERCLA	Comprehensive Environmental Response Compensation Liability Act
CFCs	chlorofluorocarbons
CFR	Code of Federal Regulations
CGI	combustible gas indicator
CHP	Certified Health Physicist
Ci	Curie
CIH	Certified Industrial Hygienist
CLP	contract laboratory program
COC	chain of custody
Comp	Composite sample
Con	concrete
cpds	compounds (chemical)
cpm	counts per minute
CPR	cardiopulmonary resuscitation
CRZ	contamination reduction zone
CSXT	CSXT Railroad
CV	coefficient of variation
D	duplicate sample
DAC	derived air concentrations
dB	decibels
DCGLs	derived concentration guideline levels
Deb	debris
DOD	Department of Defense
DOE	Department of Energy
dpm	disintegrations per minute
dps	disintegrations per second
DQO	data quality objectives

LIST OF ABBREVIATIONS AND ACRONYMS

DSR	duplicate sample result
DUSR	Data Usability Summary Report
ECT	equivalent chill temperature
EML	Environmental Measurements Laboratory
ERG	emergency response guide
EZ	exclusion zone
F	Fahrenheit
FB	field blank
FSAP	Field Sampling and Analysis Plan
FSP	Field Sampling Program
ft ²	square feet
FUSRAP	Formerly Utilized Sites Remedial Action Program
g/l	grams per liter
GC/MS	gas chromatograph / mass spectrometry
GCDR	Golf Course Driving Range
GFPC	gas flow proportional counters
GIS	Geographic Information Systems
GPR	Ground Penetrating Radar
GTEOSI	GTE Operations Support Incorporated
HASL	Health and Safety Laboratory Method
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response Standard
HEPA	High Efficiency Particulate Air (Filter)
HVAC	Heating, Ventilation and Cooling
ICAO	International Civil Aviation Organization
ICP	inductively coupled plasma
IDL	instrument detection limit
IDLH	immediately dangerous to life or health
IL	Illinois
IMDG	International Maritime Dangerous Goods
INEEL	Idaho National Engineering and Environmental Laboratory
J	estimated value
L1	lift number
LANL	Los Alamos National Laboratory
LCS	laboratory control sample
LEL	lower explosive limit
LFC	lowest feasible concentration
LO/TO	lockout / tagout
MARSSIM	Multi Agency Radiation Site Survey Investigation Manual
MCE	mixed cellulose ester
mCi	millicurie
μCi	microcurie
MCL	maximum contaminant level

LIST OF ABBREVIATIONS AND ACRONYMS

MD	matrix duplicate
MDA	minimum detectable activity
MDC	minimal detectable concentration
MDL	method detection limit
MDSA	minimum detectable surface activity
mg/Kg	milligram per kilograms
mg/l	milligram per liter
mg/m ³	milligram per cubic meter (measurement of air concentration of particulates)
MHF-LS	MHF Logistical Solutions
MHz	mega hertz
mrem	millirem
MS	matrix spike
MSA	Mine Safety Appliance Company
MSB	matrix spike blank
MSD	matrix spike duplicate
MSDS	material safety data sheet
n/a	not applicable
NaI	sodium iodide
NCDOH	Nassau County Department of Health
NCDPW	Nassau County Department of Public Works
ND	not detected
NGVD	National Geodetic Vertical Datum
NIOSH	National Institute of Occupational Safety and Health
NIST	National Institute of Standards and Technology
NJ	New Jersey
NORM	Naturally Occurring Radioactive Materials
NRC	Nuclear Regulatory Commission
NRR	noise reduction rating
NY	New York
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOL	New York State Department of Labor
NYSDOT	New York State Department of Transportation
OSHA	Occupational Safety and Health Administration
OSR	original sample result
OSWER	Office of Solid Waste and Emergency Response (USEPA)
PCB	Polychlorinated Biphenyls
PCE	tetrachloroethene
pCi	picocuries
pCi	picocurie
pCi/L	picocuries per liter (air concentration for radionuclides)
PEL	permissible exposure limit
Per	air sample

LIST OF ABBREVIATIONS AND ACRONYMS

PID	photoionization detector
PM	project manager
ppb	parts per billion
PPE	personal protective equipment
ppm	parts per million
PQL	practical quantitation limit
PT	point
QA/QC	quality assurance and quality control
QAPP	quality assurance project plan
R	Roentgen
RAM	real-time aerosol monitor (dust meter)
RAS	routine analytical services
RCRA	Resource Conservation Recovery Act
REL	recommended exposure limit
RER	relative error ratio
RESRAD	a computer program used to estimate radiation risk
RF	radio frequency
RHSM	Regional Health and Safety Manager
RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
RSD	relative standard deviation
RSO	Radiation Safety Officer
SAS	special analytical services
SCBA	self-contained breathing apparatus
SCBAE	self-contained breathing apparatus - escape
SDMP	Site Decommissioning Management Plan
SKIN	significant exposure possible via skin absorption
SOP	Standard Operating Procedure
SS	Site Supervisor
SSO	Site safety officer
STEL	short-term exposure limit
SVOCs	semi-volatile organic compounds
SW	surface water
Syl	Sylvania
SZ	support zone
TAGM	Technical and Administrative Guidance Memorandum
TAL	target analyte list
TB	trip blank
TBD	to be determined
TCE	trichloroethene
TCL	target compound list
TCLP	toxicity characteristics leaching procedure

SYL00116381

LIST OF ABBREVIATIONS AND ACRONYMS

TCP	traffic control plan
TDG	Transportation of Dangerous Goods
Th-232	Thorium 232
TLD	thermoluminescent dosimeter
TLV	threshold limit value
TWA	time weighted average
U-238	uranium 238
UEL	upper explosive limit
UFPO	Underground Facilities Protection Organization
ug/kg	micrograms per kilogram
UPRR	Union Pacific Railroad
URS	URS Corporation
USCG	United States Coast Guard
USDOE	United States Department of Energy
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
USRADS	Ultrasonic Ranging and Detection System
UST	underground storage tank
UT	Utah
UV	ultra violet
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compounds
WZ	work zones

June 26, 2003

The remedial engineering work described in the following Work Plan was prepared under my supervision in accordance with New York Education Law, Title 8, Article 145. Detailed engineering plans and specifications will be prepared as described in the Work Plan. The results and opinions presented in this report were developed using generally accepted engineering practices and conform to the standard of care commonly used as state-of-the-practice in the profession. It is a violation of the law for any person, unless acting under the direction of the licensed professional engineer to alter this report or its attachments in any way, except as allowed under Section 7209.

URS Corporation – New York



Robert D. Brathovde, P.E.
Associate

EXECUTIVE SUMMARY

GTE Operations Support Incorporated (GTEOSI) has organized a team of environmental companies to manage, excavate, transport and dispose of soils, building materials and debris containing chemical, metal and radiological process residuals from the former Sylvania Electric Products, Inc. (Sylvania) facility (the "Site") in Hicksville, New York. These companies have been chosen for their experience with the type of remediation planned for the Site and have developed this Work Plan collectively.

Beginning in 1952, Sylvania manufactured nuclear reactor fuel elements, high temperature coatings and composite alloys. Operations and manufacturing practices resulted in the release of radioactive elements and solvents to the environment. While most of these constituents were removed from the facility with the closure of manufacturing operations, residual concentrations remain. Based on former Site investigations, there are several areas that are the focus of this Work Plan. The former Sylvania facility footprint covers three separate properties. The areas of interest on these properties include the eastern portion of 140 Cantiague Rock Road, now owned by GTEOSI, formerly Gilbert Displays (140 Property); the east and southeast portion of 100 Cantiague Rock Road, formerly Magazine Distributors (100 Property); and the northern portion of 70 Cantiague Rock Road, currently occupied by Air Techniques (70 Property) (Figure 1). The 140 Property is the only property requiring remediation under a building. As a result, GTEOSI will conduct building renovation, remediation, and restoration at the eastern end of the building. The 140 Property will be used as an operations and management center for the project team. The property is fenced and security will be hired to control access to the building and the Site.

The Site buildings are surrounded by asphalt parking areas and driveways; however, the eastern portion of the Site has few unpaved areas. Underground utilities will be mapped and marked. Excavation will be accomplished using a variety of mechanical equipment, as well as hand digging tools. Soils will be screened using field instruments and be supplemented by laboratory analysis. Soils removed will be segregated for disposal. Target cleanup levels are as follows.

- Radioactive Materials (processed natural uranium, thorium, and associated radioactive progeny);
Total Uranium: 100 picoCuries per gram (radioactive levels provide appropriate protection for chemical toxicity of uranium)
Uranium – 238: 50 picoCuries per gram
Uranium – 234: 50 picoCuries per gram
Thorium – 232: 2.8 picoCuries per gram above the background concentration

In addition, post-remedial concentrations of these radionuclides will not result in a radiation dose exceeding 10 millirem/yr in accordance with TAGM 4003.

- Volatile Organic Compounds
Tetrachloroethene (PCE): 1.82 parts per million
Trichloroethene (TCE): 0.70 parts per million
- Metals
Nickel: 560 parts per million

Once field measurements indicate cleanup levels have been achieved, confirmation and verification samples will be collected for laboratory analysis. Excavated soils will be placed in Lift-Liners™, manifested, screened, and loaded onto flat-bed trucks for transport to a nearby rail siding. The Lift-Liners™ will be transferred to gondola cars and transported by rail to Envirocare of Utah, a licensed radioactive waste disposal facility. The excavation will be backfilled and compacted with clean fill.

The project is scheduled to begin in the spring of 2003 and is to be completed by the end of the year. Since Site parking areas and driveways must be replaced, the project must be completed prior to the seasonal closure of the local asphalt plants. The work schedule provides for remediation access to the 100 Property, which GTEOSI leases.

Remediation will provide for unrestricted use of the Site. A Final Project Report will be prepared that includes project drawings, photographs, laboratory analyses, copies of waste disposal certificates, text and other pertinent data.

COMPREHENSIVE SOIL REMEDIATION PROGRAM WORK PLAN

FORMER SYLVANIA ELECTRIC PRODUCTS FACILITY HICKSVILLE, NEW YORK GTE OPERATIONS SUPPORT INCORPORATED

1.0 INTRODUCTION

This Work Plan has been developed to outline the planned removal of soils, building materials and associated debris and the restoration of the Property from the former Sylvania Electric Products Manufacturing facility (the "Site") that includes the Property located at 140 Cantiague Rock Road, currently owned by GTE Operations Support Incorporated (GTEOSI) (formerly Gilbert Displays) (140 Property), the Property located at 100 Cantiague Rock Road, formerly Magazine Distributors (100 Property), and the Property located at 70 Cantiague Rock Road, occupied by Air Techniques (70 Property) shown on Figures 1 and 2. These three parcels are located in Hicksville, New York. This Work Plan is based on data gathered from previous Site investigations performed pursuant to the Voluntary Cleanup Program (VCP) agreement dated April 7, 1999, between GTEOSI and New York State Department of Environmental Conservation (NYSDEC).

The Work Plan describes the history of the former Site operations, parties responsible for various aspects of the remediation program, local environmental conditions, the approach to remediation and associated protocols, sampling and testing, communications, project documentation, health and safety requirements, Site security, and Site restoration.

2.0 PROJECT SCHEDULE AND KEY DELIVERABLES

The schedule to perform the remediation activities, including excavation, backfilling, restoration and the replacement of asphalt must be completed by late fall 2003, prior to the seasonal closure of asphalt plants. To accomplish this, GTEOSI needs to maintain an aggressive project schedule. GTEOSI intends to lease the 100 Property for 18 months beginning in July 2002 to provide the remediation team with access to certain areas of the Site that are not available while the Property is occupied. The remedial approach and schedule assumes that access to the Site properties can be obtained. If access difficulties are encountered, the approach and schedule to implement the Work Plan activities may require modification.

The following table summarizes key deliverables, milestones and deadlines.

Item	Critical Date
January 2002 Soil Remediation Work Plan submitted to NYSDEC	January 21, 2002
Meeting in Albany with Agencies to discuss January 2002 Work Plan	January 23, 2002
Agency comments on January 2002 Work Plan	February 25, 2002
Revised March 2002 Work Plan submitted to NYSDEC	March 15, 2002
Meeting in Albany with Agencies to discuss March 2002 Work Plan	August 8, 2002
Agency comments on March 2002 Work Plan	September 24, 2002
Revised October 2002 Work Plan submitted NYSDEC	October 31, 2002
Public Comment Period on October 2002 Work Plan	November 27 – December 27, 2002
Public Meeting in Hicksville, NY	December 11, 2002
Work Plan approved by NYSDEC	January 16, 2003
Excavation begins	April 30, 2003
Excavation ends	TBD
Lay asphalt	TBD
Asphalt plants close for season	November 15, 2003
Demobilization	February 2004
Draft Cleanup Report to NYSDEC	June 2004

Notes: TBD = to be determined

3.0 PROJECT TEAM

GTEOSI has assembled a project team to perform the planning and execution of the project at its direction. URS Corporation will be the consulting firm of record. Envirocon, Inc. will be responsible for the excavation. Blue Water Environmental/J.D. Posillico will be responsible for sheet piling, building alterations, loading/hauling, excavation and engineering support and Site restoration. Stone Environmental will conduct screening analysis of Site soils. MHF Logistical Solutions will be responsible for the transportation of the excavated materials from the Site to the disposal facility provided by Envirocare of Utah, located in Clive, Utah. Following are summaries of each contributor's qualifications. A list of project personnel is provided in Appendix I.

URS Corporation

URS Corporation (URS) is one of the nation's leading engineering, environmental and construction service firms serving government agencies and private industrial and commercial companies worldwide. The URS professional staff includes engineers with expertise in the full spectrum of disciplines, as well as planners, scientists, environmental specialists, information management specialists, architects and construction managers. Headquartered in San Francisco, URS is a publicly owned company listed on the New York and Pacific Stock Exchanges as URS. The company has 25,000 employees and operations in 30 countries.

URS maintains a specific practice in radiological issues related to the environment. The URS Nuclear Services Group supports radiological-specific projects such as facilities in the United States Army Corps of Engineers Formerly Utilized Sites Remedial Action Program (FUSRAP), Nuclear Regulatory Commission (NRC) Site Decommissioning Management Plan (SDMP) and sites with multiple types of contamination that fall under Resource Conservation Recovery Act (RCRA) or Comprehensive Environmental Response Compensation Liability Act (CERCLA). This Group has implemented guidance from the state agencies, the NRC and the United States Environmental Protection Agency (USEPA) regarding site clean-ups, including the dose and risk assessments needed to define clean-up criteria. Many of these projects have included enhanced concentrations of Naturally Occurring Radioactive Materials (NORM) such as thorium, radium, and uranium.

URS has assisted in the clean-up and management of United States Department of Energy (USDOE) sites with radioactive, hazardous, and mixed wastes, such as Oak Ridge RCRA Closures, Savannah River Site RCRA regulatory compliance, Idaho National Engineering and Environmental Laboratory (INEEL) risk assessments, and the ongoing West Valley Demonstration Project in West Valley, New York. At Brookhaven National Laboratory URS has been deeply involved in assisting the Laboratory with remediation of the Chemical and Glass Holes, the radioactive waste transfer/consolidation facility, and the Brookhaven Graphite Research Reactor. For this type of project, URS has provided project planning, health and safety planning and monitoring, waste characterization and on-site analysis, and hazardous/radioactive waste disposition and management recommendations.

Envirocon, Inc.

Envirocon, Inc. (Envirocon) is an experienced environmental remediation contractor with offices nationwide that service projects involving chemical and radioactive contamination. Current applicable projects include the remediation of nerve warfare agents at the Rocky Mountain Arsenal and decommissioning of nuclear warhead trigger facilities at Rocky Flats in Colorado, restoration of over 700 homes with thorium contamination in West Chicago, Illinois, and the final site restoration of Cesium-137 impacts at an aerospace manufacturing facility in New Jersey. To support these projects, Envirocon maintains a broad array of technically based construction personnel. These personnel are capable of providing effective remedial construction responses to the most technically-challenging of projects.

To support the fieldwork, Envirocon will provide a team of experienced personnel and the equipment necessary to accomplish each phase of the remediation process. Personnel responsible for implementation of the work required will be based out of Envirocon's Astin, Pennsylvania office. These personnel have extensive experience working with each of the constituents of concern and exhibit a broad array of skills including chemical and radioactive health and safety, as well as the requisite field disciplines to perform, monitor, and document Site remediation.

Blue Water Environmental/J.D. Posillico

Blue Water Environmental/ has delivered efficient, cost effective solutions since 1991. Their team of professionals has earned an exceptional reputation throughout the New York Metropolitan Area for delivering deadline sensitive, effective solutions in a variety of areas including process treatment systems, industrial remediation process, soil treatment and recycling, and land re-development. By combining creative ideas with the fundamentals of J.D. Posillico, Inc., a related company that has been a leader in the heavy construction industry since 1946, Blue Water Environmental has successfully expanded into related industries that combine multiple engineering and building science functions.

Stone Environmental, Inc.

Stone Environmental has been providing environmental consulting services locally, nationally, and internationally since 1992. Stone offers innovative and scientifically rigorous solutions in four major areas: hazardous waste site characterization, Waterloo Profiling®, and mobile lab services; applied information management with GIS and database decision-support; agrochemical environmental fate and exposure research; and water resources and wastewater management services. Stone Environmental is a medium-sized business based in Montpelier, Vermont.

MHF Logistical Solutions, Inc.

MHF Logistical Solutions, Inc. (MHF-LS) is in Cranberry Township (near Pittsburg), Pennsylvania and supported by six regional offices across the country, specializing in the design and implementation of innovative packaging and transportation programs. Current and past projects include the shipment of over 3,000 Lift-Liners™, 10,000 gondola cars, and 25,000 intermodal containers, containing low-level radioactive waste and materials. In addition, MHF-LS supports the Army Corp of Engineers with the two of the largest FUSRAP Projects in the United States, the St. Louis Airport Site and the Ashland and Linde Properties in Tonawanda, New York. MHF-LS is also involved with three nuclear power plant decommissioning projects at Maine Yankee, Connecticut Yankee, and Southern California Edison.

To support the project, MHF-LS will provide the necessary equipment, packaging, and transportation for the project. MHF-LS will also be providing a representative from their Technical Services Group to prepare shipping manifests and coordinate logistics requirements at the Site and rail yard. Personnel assigned to this project are experts in the safe handling and shipment of radioactive materials.

Envirocare of Utah, Inc.

Envirocare of Utah, Inc. (Envirocare) is a proven, mature organization that has assumed and maintained a leadership position as operator of the nation's largest fully regulated commercial radioactive waste disposal and mixed waste treatment and disposal facility. The company is regulated by 13 Federal, State and local agencies and maintains closely regulated closure funds to insure proper closure and monitoring. Since inception, Envirocare has received and disposed of radioactive waste from over 600 different generators. Each month Envirocare routinely receives waste from 40 different generators who send on average more than 10 million cubic feet of waste for treatment and disposal annually. Envirocare customers represent large and small remediation projects from commercial entities that encompass electricity production, nuclear fuel processing, chemical manufacturing, telecommunications, agricultural

and biomedical research organizations. In addition to its commercial customer base, Envirocare services a wide variety of government agencies that ship on a continual basis. The federal government (i.e. USEPA, Department of Defense (DOD), and DOE) is the largest single customer of Envirocare. Some of Envirocare's projects include Fernald, Oak Ridge, Rocky Flats, INEEL, USEPA, and FUSRAP.

Envirocare operates the largest commercial mixed waste treatment facility in the nation and the only commercial mixed waste disposal facility. Envirocare holds multiple permits and licenses including a RCRA Part B permit which enables Envirocare to treat and/or dispose of hazardous and radioactive waste materials. Envirocare's primary treatment technologies include chemical fixation, stabilization, and Macroencapsulation. Envirocare has also implemented an extensive quality assurance program. These features allow Envirocare to provide innovative waste management solutions for many types of waste while providing safe and quality services. Envirocare provides permanent and safe waste disposal services in both a state and NRC licensed and regulated facility that is designed specifically for Class A low-level radioactive waste.

4.0 PROJECT BACKGROUND

This section provides an overview of the Site history, the former Site operations, and the current Site conditions.

4.1 SITE HISTORY

From 1952 to 1970 the Site was operated for the fabrication of reactor fuel elements, as well as high temperature coatings and composite alloys for space and aircraft industries. Records indicate that Sylvania operated the three main buildings, designated as buildings #1, #2, and #4, and twelve support buildings under license #SNM-82 (for fuel rod fabrication) issued from the Atomic Energy Commission (AEC) (NRC 1996). Buildings #1 and #2 on Lot 80 already existed when Sylvania first occupied the Property in 1952. Sylvania acquired the remainder of Lot 79 in 1957 and constructed building #4. A plan view of the current Site layout with the overlay of the 1960 structures is provided as Figure 3. With the sale of Sylvania Nuclear Division's equipment, tooling, and license assets to National Lead Industries in 1966, the production of nuclear fuel elements and components at the facility ceased. In 1967 the AEC removed the Site from licensing requirements due to cessation of nuclear product production activities. The Sylvania Parts Division continued Site operations until 1969.

The buildings were demolished in 1968 and 1969 with the exception of Building #4, which exists on the 70 Property. This building was decommissioned in accordance with applicable regulations and released for unrestricted use by the New York State Department of Labor (NYSDOL) in 1967. According to a letter from Rita Aldrich of the NYSDOL to Barbara Youngberg of NYSDEC dated March 21, 1997, Building #4 was reviewed by ORNL in December 1995, who found that "the building was suitable for unrestricted use according to present limits." Further, the letter indicates that NYSDOL made readings in January 1996 and found no readings above background. Before the construction of the current buildings, the Property was subdivided into three new parcels with new lot numbers. The current Site layout is presented on Figure 4.

4.2 DESCRIPTION OF FORMER OPERATIONS

The former Sylvania Plant fabricated reactor fuel elements and high temperature protective coatings used in research and electric power generation. The plant had two production facilities, one for the manufacture of commercial-type fuel elements and the other for the government manufacture of special elements and reactor materials. Manufacturing processes performed included:

- Melting of enriched uranium-molybdenum and enriched uranium-aluminum in graphite and ceramic crucibles in vacuum furnaces;
- Sintering of uranium oxide-powdered stainless steel and rolling of uranium-stainless steel billets in hydrogen atmosphere furnaces;
- Applying high temperature protective coatings to the exhaust skirts of rockets and larger aerospace parts using a vacuum diffusion-coating furnace;
- Iso-static pressing of uranium pellets-aluminum tubing involving argon gas; and
- Chemical cleaning of products involving hot and cold acid, caustics, solvents, water and anodizing solutions in cleaning tanks, hoods, and degreasing stations.

Liquid wastes were generated from both the coolant used for the fabrication of equipment and the chemical cleaning baths. The coolant was dried and the resulting sludge burned to salvage the uranium. Sylvania

discharged non-contact cooling water for equipment into a leaching pool. Some waste products were sent off-Site for disposal (greater than 5 grams per liter (g/l) uranium) while other process residuals were disposed of in on-Site recharge basins, leaching pools, or cesspools (circa 1959). In the mid-1960's, effluent was discharged to four sumps that were pumped to a Site dry well.

4.3 CURRENT SITE DEVELOPMENT AND OPERATIONS

Today, the Site is comprised of three separately owned lots: the 70 Property, 100 Property, and the 140 Property (identified as Lot 94, Lot 99 and Lot 100). Approximately 95 percent of the 9.5-acre fenced Site is either paved or occupied by buildings.

70 Property

The 70 Property, on the southern portion of the Site, consists of an approximately 79,210-square foot (ft²) one-story brick building and the associated land. The portion of the Property not occupied by the building is paved and used for parking and storage. This Property was purchased by its current owner in 1979, and was expanded to the east after adjacent land (Lot 105) was purchased from Nassau County. The western portion of the building is the only original building (historically Building #4) that remains, as the other original buildings have been demolished.

100 Property

The 100 Property is centrally located on the Site and consists of the fenced area enclosing an 80,100-ft² two-story distribution building and paved parking lots. Three underground petroleum tanks are on the south side of the building.

140 Property

The 140 Property is on the northern portion of the Site, immediately south of the Nassau County Department of Public Works (NCDPW). The Property houses an approximately 54,500-ft² one-story office and industrial building. The Property is primarily paved with the exception of a small area on the east side that abuts the Nassau County Parks Department Golf Course Driving Range (GCDR).

Surrounding Land Use

The Site is bounded by the NCDPW to the north. The GCDR is to the east. A property formerly owned by General Semiconductor, a Class 2 State listed inactive hazardous waste site, is south of the Site. Cantiague Rock Road and commercial and industrial properties are to the west.

4.4 SUMMARY OF INVESTIGATIONS

Previous investigations at the Site include a non-intrusive investigation conducted in 1997 (Phase I), a multi-phase intrusive investigation (Phase II) conducted from July 1999 to November 2001, and a sheet piling placement study (Phase III) conducted in the fall 2003.

The following field activities were performed as part of Phase I:

- A ground penetrating radar (GPR) survey was conducted to evaluate the existence of subsurface structures and to assist in identifying subsequent surface and subsurface soil sampling locations.
- An Ultrasonic Ranging and Detection System (USRADS) survey was conducted to define, to the extent practicable, the lateral extent of above-background gamma emitting radioactive materials that

could indicate the presence of process residuals, particularly uranium and thorium progeny and to assist in identifying subsurface soil sampling locations.

- A Site survey was conducted to identify the historic structures and produce a current map of the Site.

Phase II was comprised of invasive field activities conducted in the summer of 1999 (July 7 through 23, 1999 and August 9 through 12, 1999, the initial investigation), a supplemental investigation conducted from November 27 through December 10, 2000, a monitoring well installation field program conducted from June 27 through July 10, 2001, surface soil sampling at the Nassau County GCDR conducted on November 7, 2001 and an excavation test program and a subsurface geophysical screening program performed on December 18 and 19, 2001. Field efforts included:

- The initial investigation included the advancement of 128 soil borings and the completion of five temporary wells. Samples collected during this program were subject to field screening and selected laboratory analysis to evaluate the nature and extent of process residuals related to former Site use. The sampling of existing Site groundwater monitoring wells and three upgradient wells on NCDPW Property was also performed to evaluate the impact of process residuals in the groundwater under the Site.
- The supplemental investigation was performed to further evaluate areas identified during the initial investigation where process residuals (from previous manufacturing operations) consisting of uranium, thorium and tetrachloroethene (PCE), a common solvent, were potentially located. These locations were characterized through the advancement of over 60 soil borings and related soil sample analyses.
- The primary focus of the groundwater investigation and monitoring was to assess whether solvents and radionuclides related to former production activities were present in groundwater underlying the Site.
- A comprehensive groundwater sampling event was conducted to collect field parameters and samples from twelve Site monitoring wells (MW-01 through MW-12) and the three upgradient wells (NCDPW wells W-24, W-24D, and W-25).
- Surface soil sampling was conducted on the GCDR to verify that residual concentrations of concern were not present on the adjacent Property.
- An excavation test program and a subsurface geophysical screening program was performed on December 18 and 19, 2001. The program was conducted to assess the potential presence of piping and correlate radionuclide distribution as it affects instrument operations.

Phase III was comprised of invasive field activities conducted in the fall 2002 (October 7 through December 10, 2002). The results of Phase III and prior investigations are summarized in Figures 8b, 9b, and 10b. Phase III Field efforts included:

- The advancement of 160 soil borings for sheet piling placement.
- Geophysical surveys for utility placement and underground anomalies.
- Additional surface soil sampling at the Nassau County GCDR.

4.5 SITE PHYSIOGRAPHY

The Site is in west central Long Island in the western portion of Hicksville, New York (Figure 2). Regionally, the Site is on a glacial outwash plain. Topography becomes more varied northward near the Ronkonkoma and Harbor Hill moraines and associated ground moraine areas. Few surface water bodies are found near the Site.

4.6 LOCAL CLIMATIC CONDITIONS

Long Island has a humid climate that is controlled primarily by the prevailing westerly winds, causing most weather systems to approach from the continental United States. Temperature extremes tend to be subdued by the proximity of the Atlantic Ocean (Isbister 1966). Long Island depends on precipitation as its sole source of recharge to groundwater via natural infiltration, recharge basins and cesspools. The remainder of the precipitation is removed by either direct runoff or evapotranspiration (Peterson 1988). Annual precipitation averages about 43.87 inches. The average daily temperatures ranged from a low of 39.8°F in February to a high of 75°F in July. Average temperature and precipitation data for the area are collected at the National Climatic Data Center Mineola Cooperative.

4.7 GEOLOGICAL CONDITIONS

The regional geologic setting in Nassau County consists of unconsolidated geologic deposits overlying bedrock. The deposits are approximately 1,100 feet thick near the Site, thinner in the northwestern part of Nassau County and thicker southward. The deposits are divided into seven surficial geologic units: two members of the Raritan Formation, the Magothy Formation, two distinct units of the Port Washington deposit, the Port Washington clay unit, and the Upper Pleistocene deposits (Isbister 1966; Smolensky and Feldman 1988).

The unconsolidated deposits consist of residual or weathered bedrock, sand, silt, clay, and gravel of alluvial or glacial origin. The unconsolidated deposits are subdivided into stratigraphic or geologic units based on like characteristics, such as grain size distribution, sorting, porosity, composition of grains, and any other unique characteristics. Boundaries between unconsolidated geologic units are often marked by unconformity.

Overburden beneath the Site consists of unconsolidated deposits. Based on-Site boring logs, surficial deposits are fairly uniform, fine to coarse sands with little gravel. These deposits have been evaluated from the surface to 220 feet below ground surface (bgs). Discrete lithological differences were not noted during field investigations.

4.7.1 Bedrock Geology

The bedrock underlying Long Island is Precambrian to lower Paleozoic in age. The bedrock geology predominately consists of schist and gneiss with igneous intrusions. The bedrock is known to have some fractures; however, the fractures are not considered significant within the regional hydrogeology because of relatively low fracture permeability in comparison to the unconsolidated deposits. A highly weathered zone of approximately 50 feet exists at the top of the bedrock. This zone contains various colored clays and sandy clay mixed with degraded rock and mineral fragments. The bedrock surface slopes at approximately 62 feet per mile toward the southeast and ranges from 160 feet below sea level at the north shore of Nassau County, to approximately 855 feet below sea level near the Site (Kilburn 1979).

4.8 HYDROGEOLOGICAL CONDITIONS

The regional groundwater flow on Long Island is reportedly separated by a groundwater divide that trends east to west along the north central portion of Long Island. Groundwater north of the divide discharges to Long Island Sound and groundwater south of the divide discharges into Great South Bay (Kilburn 1979).

Four major aquifers exist within the unconsolidated deposits that underlie Nassau County. From deepest to most shallow, the aquifers are the Lloyd Aquifer, Port Washington Aquifer, Magothy Aquifer, and the Upper Glacial Aquifer. The Lloyd Aquifer rests unconformably on bedrock that is relatively impermeable and can be considered the base of the hydrogeologic system (Smolensky and Feldman 1988). The aquifer lies about 900 feet bgs and is estimated to be 300 feet thick. The aquifer is confined since it underlies a clay-rich Raritan confining unit and overlies bedrock. The Port Washington Aquifer rests unconformably upon bedrock in northern Nassau County. The Magothy Aquifer serves as the principal source of fresh water on Long Island. The aquifer is approximately 600 feet thick and lies about 85 feet bgs. Due to high concentrations of clays in the upper portions of the Magothy Aquifer, most public water supply wells are screened in the lower Magothy Aquifer. The upper glacial aquifer is the uppermost hydrogeologic unit on Long Island. The unit is approximately 85 feet thick with the upper 10-feet consisting of fill and recent deposits. The Upper Glacial Aquifer is nearly continuous across Long Island therefore, most recharge must infiltrate through the upper glacial aquifer to reach the lower aquifers. Most recharge originates from the precipitation that Long Island receives.

The four aquifers are hydraulically interconnected and are controlled by their water-bearing properties and the groundwater flow dynamics. A hydraulic aquifer is separated from the Magothy Aquifer by the Raritan confining unit. The Port Washington Aquifer is believed to be in close hydraulic communication with the adjacent Lloyd and Magothy aquifers. The Port Washington Aquifer also forms part of the valley fill deposits in the channels cut by Pleistocene rivers. The valley fill deposits can act as groundwater flow paths that increase the hydraulic connection between the aquifers (Kilburn 1979).

4.8.1 Regional Surface Water

Regionally, surface water in Nassau County consists of a few small streams, ponds, and marshes. Surface water collection is mainly controlled by precipitation rates, infiltration, runoff rates, and by perched water tables. Numerous perched ponds, marshes, and effluent streams occur north of the Ronkonkoma moraine (Isbister 1966).

Headwaters of the streams on Long Island tend to originate in the highlands of the Ronkonkoma and Harbor Hill moraines. To the north, sediments tend to be impermeable tills that support perched water tables and receiving streams. To the south of the highlands, outwash plain deposits are usually very permeable and will not support a perched water table. Streams to the south of the Ronkonkoma moraine tend to be losing and often disappear completely. Direct runoff from urban areas (pavement, rooftops) is re-routed by storm drainage systems to numerous recharge basins, which ultimately replenish the water table.

4.8.2 Site Hydrogeology

Hydrogeological data collected from investigations on and adjacent to the Site have focused on the upper glacial aquifer and the Magothy Aquifer. Test borings indicate that the Site is underlain by relatively simple stratigraphy consisting of gravelly sands overlying silty fine sands.

The water table at the Site is relatively flat. Groundwater elevations measured within monitoring wells on and adjacent to the Site varied by approximately 0.23 feet across the Site (73.36 through 73.59-feet bgs). Groundwater flow beneath the Site is generally toward the south.

4.9 CHEMICAL AND RADIOLOGICAL CONDITIONS

Approximately 195 borings have been advanced at the Site to evaluate subsurface conditions. Samples of both soil and groundwater collected from these activities were screened in the field and analyzed for radionuclides, nickel, polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs), and semi volatile organic compounds (SVOCs). Findings suggest that there are isolated areas of above background radiation beneath the pavement on each of the properties investigated (O'Brien & Gere 2000). However, no immediate health hazard exists given that exposures are well within referenced acceptable levels. Tetrachloroethene (PCE) and trichloroethene (TCE), common solvents, were found to exist in several subsurface locations at the rear of the 140 Property and 100 Property, as well as in the groundwater from existing monitoring wells.

4.10 REGULATORY HISTORY

Buildings #1 and #2 already existed when Sylvania first occupied the Site in 1952. Records indicate that Sylvania operated under license #SNM-82 issued from the AEC. Production ceased in 1966 and the AEC removed the facility from licensing requirements in 1967. Since building #4 was to remain on-Site, it was decommissioned in accordance with applicable regulations and the NYSDOL released the Sylvania Site for unrestricted use. According to a letter from Rita Aldrich of the NYSDOL to Barbara Youngberg of NYSDEC dated March 21, 1997, Building #4 was reviewed by ORNL in December 1995, who found that "the building was suitable for unrestricted use according to present limits." Further, the letter indicates that NYSDOL made readings in January 1996 and found no readings above background.

In 1996, NYSDEC submitted a request to GTEOSI for information on the former Site activities. GTEOSI then received a letter requesting that an investigation be conducted due to findings by the NRC of elevated levels of radioactivity. NRC's findings were based on an August 1996 inspection as part of a program to ensure that licenses, for facilities where activities authorized by the AEC were conducted, have been terminated in accordance with the NRC's current criteria for release for unrestricted use. The inspection detected above background levels of radioactivity and concluded that additional measurements were needed. The NRC relinquished their responsibility for the Site to NYSDEC. In February 1997, GTEOSI notified NYSDEC that they would voluntarily investigate conditions at the Site. From 1997 to present, GTEOSI has conducted an on-going investigation of the former Sylvania facility. Both NYSDEC and New York State Department of Health (NYSDOH) have provided oversight of all phases of the investigation.

5.0 PROJECT PLANNING PROTOCOLS

This section provides the protocols for directing excavation progress and performing remedial activities at the Site. An excavation plan is provided as Appendix F. If unforeseen subsurface conditions, historical piping or leaching structures are encountered during the remedial activities, additional remedial protocols may be established to accommodate the conditions.

5.1 PROJECT OBJECTIVE

The objective of the remediation work planned for the Site is to remove source areas of chemical, nickel, and radioactively impacted soils exceeding target cleanup levels. Remediation will provide for unrestricted use of the Site in accordance with local zoning provisions. Under this program, work will be performed in accordance with applicable local, State and Federal guidance, subject to input from key stakeholders (i.e. the general public and Site workers).

This Work Plan defines the protocols necessary to support the remediation process. While the locations of chemical, nickel, and radioactive impacts have previously been investigated, the open format of this Work Plan provides the flexibility to further define the extent of impacts and remove impacts that exceed the target soil cleanup levels.

5.2 REMEDIAL APPROACH

The general approach for the project is the remediation of certain Site areas known to contain process residuals (radioactive, nickel, and VOCs). A series of borings accompanied by the sampling and analysis of soils and groundwater was conducted to investigate the locations of residuals. As part of the remedial process outlined herein, further delineation of the conditions existing between these discrete investigation locations will be performed as remediation progresses to ensure that impacted materials above the target cleanup levels are removed. The approach outlined herein summarizes the methods to be employed during remediation to best address the range of field conditions anticipated.

Remedial efforts in the field will be directed toward the removal of impacted soils, debris, or other building materials. The excavation will be performed concurrently with a detailed on-Site screening, analytical testing, and documentation program. Following the removal of the materials, sampling will be performed to confirm that target cleanup levels in soil have been met. Based on the results of previous investigations, the predicted excavation depths by analyte category (VOCs, radionuclides, and metals) are presented in Figures 8a, 9a, and 10a, respectively, and for all analytes, in Figure 11a. Three-dimensional views of the analyte categories are presented in Figures 8c, 9c, and 10c and for all analytes in Figure 11b.

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The Site will meet the cleanup criteria objectives that have been approved by New York State Department of Environmental Conservation through excavation and off-Site disposal of contaminated soil.

Removal will result in achieving the remedial goals identified, thereby attaining a level of performance equivalent to that required through the use of another method or approach. In addition, removal of on-Site contamination exceeding the cleanup objectives will provide for both short-term and long-term effectiveness of the remedial alternative. Excavation will provide for contaminant control in a relatively short time and will prevent off-Site migration through the permanent removal of contaminants.

The contaminated soils will be transported and disposed of off-Site in order to reduce the volume of contamination on-Site, thereby reducing the toxicity and mobility of the contaminants. In addition, the removal of volatile organic and radioactive constituents above cleanup objectives present in the soil will reduce the toxicity of the remaining soil. Envirocare of Utah will be the disposal facility.

Excavation and off-Site disposal of contaminated soil provides for a comprehensive remedial alternative that is both effective and implemental in order to achieve No Further Action status and unrestricted use of the Site. Although other remediation methods have been considered for the Site, including management of soils and wastes on Site and the use of engineered barriers, these alternatives neither sufficiently reduce the exposure from radioactive materials nor do they ensure the integrity of soils and wastes managed long-term.

No technical difficulties are anticipated during the excavation and removal process. Off-Site disposal has been demonstrated to be a reliable process with respect to the contaminants of concern, the volume of soils to be removed from the Site, and Site conditions.

A high level of overall protection of human health is achieved through the attainment of the cleanup criteria objectives, which will be demonstrated through confirmatory soil testing and modeling of residuals at the time of excavation as described in the Work Plan. Based on the achievement of cleanup criteria through permanent off-Site disposal, community acceptance of this remedial alternative is expected to be high.

5.3 CONCEPTUAL SITE MODEL

The Site is in an environmental setting typified by a relatively consistent hydrostratigraphic unit comprised of sandy overburden to depth with the local water table found at approximately 75 feet bgs. Although the depth to bedrock has not been locally established it is interpreted to range from 160 feet below sea level at the north shore of Nassau County, to approximately 900 feet below sea level near the Site (Kilburn 1979). Historically, vertical migration of recharge to the aquifer is interpreted to occur relatively unimpeded, suggesting that impacts from historical operations would follow a similar flow path.

Currently, the Site is largely paved with recharge to the aquifer being limited to dry well point sources. Previous studies conducted at the facility support a conceptual model comprised of residual impacts with limited aerial extent mainly due to the high infiltration capacity of the overburden. In addition, with the exception of chlorinated solvents, the vertical mobility of the residuals in the Site soils is minimal. Consequently, remediation of impacted soils at the Site is focused on the highest concentration of residual impacts with the highest level of risk. These areas have been established to comply with NYSDEC target cleanup levels and are targeted for removal from the Site as outlined in the work plan.

5.4 DISPOSAL FACILITIES

Envirocare operates the nation's largest, fully regulated commercial radioactive waste disposal and mixed waste treatment and disposal facility. This facility is located approximately 80-miles from Salt Lake City, in the Tooele Hazardous Industry District, a 100-square mile area zoned for hazardous materials industries. The facility is in a remote, arid area that exhibits geologic and hydrogeologic conditions that support hazardous material handling. According to Envirocare, the conditions that provide an ideal setting for long-term waste disposal include:

- An average of 7-inches of precipitation and over 60 inches of evapotranspiration annually;
- Clayey soils exhibiting low permeability; and
- Naturally poor quality ground water.

Envirocare disposes of waste material in aboveground disposal cells that are in conformance with specifications created by the USDOE and USEPA and meet 40 CFR 264 and NRC disposal requirements. Mixed waste is disposed of using the same procedures as for low level radioactive and NORM. The permits and licenses maintained by the facility for accepting, treating, and disposing of waste materials are discussed in the following section.

5.4.1 Permit and License Information

Envirocare provides waste disposal services at a state and NRC licensed and regulated facility that is designed specifically for Class A low-level radioactive waste. Envirocare holds multiple permits and licenses, including a RCRA Part B permit that enables Envirocare to treat and/or dispose of hazardous and radioactive waste materials. Additional licenses and information pertinent to this project are listed below.

- Radioactive License (#UT2300249), Amendment 12, issued by the State of Utah;
- Mixed Waste Permit (#UTD982598898), issued by the USEPA;
- Ground Water Quality Discharge Permit (#UGW450005), with amendments, issued by the State of Utah; and
- 11e (2) Byproduct Material License (#SMC-1559), with amendments, issued by the NRC.

Envirocare offers a licensed, high quality waste management facility for the waste generated during the remediation activities. These licenses govern Envirocare's ability to receive, store, treat, and safely dispose of waste material.

5.4.2 Limits of Acceptance Criteria

For each shipment of waste, a waste profile including sample analytical results and waste pedigree information is required by Envirocare. Following shipment, the waste is contained in temporary storage containers while independent laboratories perform confirmatory analyses. The radionuclide concentration, physical form, and chemical characteristics of the waste are evaluated to evaluate if the materials meet radiological license requirements and can be accepted for treatment and/or disposal.

6.0 SITE OPERATIONS PROTOCOLS

To support the initial mobilization and daily Site operations throughout the remediation process, a series of protocols have been developed. This section provides a summary of these protocols.

6.1 PROJECT OFFICE

The project office with an attendant support facility will be maintained in the building on the 140 Property, away from the work exclusion zones. The office space provided by this building offers the ability to support field operations from a single location and will provide a means to communicate with the project team, as well as provide facilities and equipment to facilitate documentation of Site activities. Space will be made available, as appropriate, in the project office for GTEOSI, Envirocon, URS, MHF-LS, Blue Water, Envirocare, Stone Environmental, and regulatory oversight personnel.

6.2 EQUIPMENT MANAGEMENT

During the soil excavation and materials handling efforts, both mechanical and support equipment will be used. Mechanical equipment used at minimum will include excavators, skid steer loaders, and a concrete saw cutter. The support equipment will include field survey monitoring and measuring meters (radiation instrumentation meters, photoionization detector (PID) and ambient air monitoring meters) and hand tools (shovels, brooms, tampers, etc.). Equipment will be delivered to the Site clean.

Field survey monitoring and measuring meters will be used and maintained by the on-Site Health and Safety Officer, Radiation Specialist, Field Supervisor, or designated personnel. These meters will be used in a manner that impacted surfaces are not contacted. However, if the meters are used within an area of known or suspected impacts and come in contact with the material, the meters will be carefully decontaminated in accordance with the appropriate protocols established in the Health and Safety Plan (HASP) (Appendix B). When this metering equipment is not in use, the equipment will be stored in the project office or in a clean designated area. In order to assure proper operation of instrumentation used in the field for quantitative measurements, certain operational checks will be performed. Checks include verifying the annual manufacturers calibration (prior to instrument use), reliability factor procure for counting instruments (prior to first use and monthly), exposure rate procedures (prior to first use and monthly), and source checks (daily) to evaluate if the instrument is within expected range. Additionally, daily quality assurance tests will be performed, as described in the Field Sampling and Analysis Plan.

Envirocon's on-Site construction team will manage and maintain the hand tools and mechanical equipment used during the remedial activities. Mechanical equipment that is rented through an outside service will be inspected prior to accepting the equipment for use at the Site. Hand tools will be stored in a tool trailer, shed or designated clean area. Mechanical equipment will be stored in a designated area inside the existing building and/or in a designated clean area in the parking lot of the 140 Property. If the mechanical equipment or hand tools are used in an area of known or suspected impacts, the equipment can be stored and maintained in the area for duration of the activities. However, if mechanical equipment or hand tools are used outside of that area, the equipment will be decontaminated prior to leaving that area in accordance with the protocols established in the HASP (Appendix B).

6.3 SITE SECURITY

Various forms of security measures will be employed on the Site to ensure that Site conditions, workers, general public, and the environment are adequately protected during remedial activities. These protective measures will include security personnel as well as institutional controls to limit Site access and routes of potential exposure. The components of the Site Security Program are provided in Appendix G.

6.4 PROJECT GROUND CONTROL SYSTEM

To meet the needs for delineation of impacted materials, a consistent and reproducible ground control system will be established. This system will be developed to ensure that impacted areas, Site utilities, and Site screening areas can be accurately located. The following subsections outline the procedures for developing and maintaining the ground control system.

6.4.1 Site Surveying

A series of control points across the Site will serve as key points of reference for Site location surveys. These control points will be tied into the UTM coordinate system (or equivalent) already established. A grid system will be developed in Geographic Information System (GIS). The grid system will be developed prior to initiating remediation activities to ensure that the format will support ongoing remedial activities.

A laser positioning system (LPS) will be used to document survey and sampling information along with the date, time, and three-dimensional position data associated with each data point. A gamma radiation survey instrument connected to a laser positioning system (LPS) to tie radiological survey data to survey locations and create a record that can be used in electronic mapping of surveyed areas. Such maps can then be used to direct the general day-to-day excavation activities. The LPS is worn or carried by a surveyor in the field, and operated by a hand-held terminal, which is programmed for such Site-specific applications.

6.4.2 Grid System and Maintenance

Using the control points and the 1-meter overlay grid, a field grid identification system will be established to provide for line-of-sight identification of the locations within the work area as well as identification of historic boring locations. These grid locations will be defined through the use of small signs that are placed on stakes driven into the ground. Each grid location will be provided with an alphanumeric designation to limit potential documentation errors associated with transposition. Within finished areas of excavations, key grid lines may be provided with ropes, taping, or other visual means to help ensure proper identification of subsurface grid points.

The grid points established will be maintained throughout the project to ensure reproducibility within the field results. Accordingly, any damaged or lost signs will be replaced to maintain the proper degree of control during field operations.

6.4.3 Work Zone Delineation

Work zones will be developed specific to the Site conditions and will be modified throughout the project. For documentation purposes, and to ensure that appropriate health and safety and cross-contamination measures can be consistently employed, work zones will be established broadly to limit the number of changes required within the contaminant reduction and exclusion zones. The location of these work zones will be identified, to the extent practicable, using the ground control system established for the project.

6.4.4 Ground Control Documentation

Documentation of the ground control system will be incorporated into selected project as-built drawings. Such documentation will include the location of benchmarks and control points, grid locations and designations, and the location of the impacts as previously defined in relation to these features.

6.5 UTILITIES AND SITE FEATURES

A number of overhead and below-grade utilities exist at the Site. These utilities include water, sewer, gas, drywell, telephone, and electrical services. Additionally, other Site features may require protection or securing prior to initiating remedial activities. Although only selected utility services are within active work areas, a defined group of protocols have been developed to identify and protect each of the utilities that could potentially be affected by the proposed remediation efforts.

6.5.1 Identification and Documentation of Site Utilities

Prior to initiating the field survey, the locations and alignment of utilities will be identified on the ground surface using a color-coded system for easy identification. A master schematic of the various utility locations, depth, and whether they are active or inactive will be prepared. The schematic will include emergency contact numbers for the requisite service providers and a summary of required responses. The schematic will be maintained at the Site. The utility schematic will be updated as appropriate to accommodate utilities that may be identified, as well as actual locations that may change based on the fieldwork performed. The locations of utilities will be evaluated by reviewing historical Site maps and county records, as well as through direct consultation with local utilities and/or their locating service.

Utilities identified that may be relocated, replaced, or disturbed by the construction process will be further evaluated prior to such disturbance through the use of an air lance or a vacuum truck. This will identify the exact depth and alignment of each utility line. This invasive activity will be controlled so as to not jeopardize the utility's integrity. The information generated will be transferred to the master utility schematic. If information or locations vary from those previously identified by surface locating instruments, the locations will be altered to reflect an accurate utility alignment. In the event that utility clusters are identified, then the invasive locating efforts will consider that these utilities may exist at multiple depths.

6.5.2 Utility Management

Once utilities in areas subject to remediation or other forms of potential disturbance are identified, the potential for deactivation, relocation, replacement or other action will be assessed, and a utility management plan will be developed specifically to address each of the following considerations:

- Requirements regarding notification, material construction, schedule, or other information related to management of the specific service;
- Requirements of the borough, county, state or other entity as it relates to the utility, such as notifications, permits, licenses, materials of construction, construction specifications, Quality Assurance/Quality Control (QA/QC) requirements, etc.;
- The project-specific requirements associated with managing the utility, such as the schedule and the construction requirements; and
- The response actions that may be required in the event that utility services are compromised.

Each of these considerations will be evaluated and documented. Specific actions to be taken for utilities that will require relocation and the methods used to provide for protection of utilities are summarized in the following subsections.

During the project, utility lines adjacent to work areas or extending through work areas will be protected to prevent damage, disruptions in service, or releases. The preventative measures may include flagging, the installation of bollards or temporary barriers, bracing, underpinning or other appropriate methods. When possible, the utility will be subject to deactivation in addition to applying protective measures. Prior to working adjacent to a utility, a defined plan will be developed to outline the work activities required. The plan developed will be coordinated between the service provider, GTEOSI, Blue Water, Envirocon, and health and safety personnel. Disconnected utilities will be restored subsequent to work performed.

Electrical

Overhead electrical lines are not anticipated to be directly within work areas, although consideration will be given to their locations as they could be affected by structural erection, crane operation, dump bed movement on trucks, or other Site operations related to the remediation program. These services, if located near work activities, will be temporarily deactivated, flagged, or otherwise appropriately protected in accordance with consultation with the service provider.

Transformer lines at the 100 Property will be temporarily disconnected by the service provider. This electrical work will be performed prior to the initiation of fieldwork.

Driving Range Fencing

Previous investigations at the Site have indicated the presence of residual impacts at the Site boundary with the Cantiague Park GCDR. To provide for proper removal of these impacts during remediation, it will be necessary to temporarily remove the existing fence separating GCDR and the Site. A temporary fence will be installed to provide protection to workers involved with the remediation process. This work will be coordinated with the Nassau County Department of Parks and Recreation and the GCDR operator.

Equipment

Relocation of equipment such as transformers, underground storage tanks, or dry wells is not anticipated, although protection of this equipment will be considered in areas where remediation activities will be

performed adjacent to the equipment. As appropriate, methods of protection may include shoring, underpinning, installation of temporary impact protection devices, or other measures to prevent impacts to the equipment.

7.0 PROJECT CHARACTERIZATION PROTOCOLS

During the remedial activities, project characterization protocols will be used to identify areas not previously known to be impacted and to guide excavation activities to effectively remediate the Site. These protocols will include a variety of mapping, field screening and sampling performed within this section. A brief description of these protocols is provided below, while detailed protocols for these activities are summarized within the Field Sampling and Analysis Plan (FSAP) provided in Appendix E. Where appropriate, parallelisms in terminology with the Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) are indicated.

The FSAP provides the basis for screening and sampling efforts during the remedial activities and describes the procedures that will be followed for screening and sampling activities associated with each media, including soil, concrete, surface water, groundwater, debris, and radionuclides. The data generated as part of this work plan and the FSAP will be used to:

- Verify subsurface conditions based on historical data to define target excavation areas;
- Establish background conditions for radiation on the Site;
- Guide excavation activities based on screening and sampling data;
- Collect screening and sampling data to define and support the definition of the limits of the excavation;
- Profile waste for manifesting and disposal; and
- Collect samples to verify compliance with target cleanup levels.

While details of the sampling and analysis protocols are provided in the QA/QC protocols (Appendix A) of the Quality Assurance Project Plan (QAPP) (Appendix H) and the FSAP (Appendix E), this section provides an overview of the characterization activities to be performed to support more formal sampling and analysis programs.

Various characterization efforts will be used as part of an overall program to assist with the identification of impacted locations and to guide remedial activities. These efforts will include, but are not limited to, mapping of the known distribution of impacts within each area and characterization of the nature and extent of impacts associated with VOCs, nickel, and radioactivity within these and adjacent areas.

Characterization efforts will be performed throughout the remediation process to confirm the presence of impacts and at project defined intervals integral to the evaluation of the status of remediation. The various elements of the characterization process are provided below.

7.1 MAPPING

Three-dimensional maps will be developed to detail the distribution of known impacts based on the extensive network of borings drilled at the Site. The maps will be used to illustrate the elevated concentrations of VOCs, nickel, and radioactive material in the subsurface soils. The maps will provide the basis for removal actions and will be supplemented with additional screening as needed to account for variability potentially encountered in the field. The evaluation of pre-excavation subsurface soil conditions is further described in Appendix E.

7.2 FIELD SCREENING

Field screening will be performed during the remediation process to evaluate the presence of impacts and the extent to which they will be removed and to provide on-going delineation of impacts, in accordance with the on-going analytical characterization efforts.

7.2.1 Volatile Organic Compound Screening

During excavation activities, soils will be screened for VOCs using a PID, Mini Rae™ or equivalent instrumentation. Previous investigative efforts indicate that the primary VOC on-Site is PCE and the field instrumentation selected will be capable of effectively characterizing the presence of this compound in the vapor phase. Soil samples will be collected from an interval 6- to 12-inches beneath the finished excavation surfaces at locations of suspected VOC residuals. A portion of these samples will be placed in clean jars for subsequent headspace analysis. The remainder of the samples will be containerized for potential characterization by the on-Site laboratory with 10% going to an off-Site laboratory, as appropriate. If the headspace analysis indicates concentrations of VOCs in soils that are likely to exceed the cleanup level, then continued excavation may be required. This process will be repeated until it appears that the cleanup levels have been achieved. An off-Site laboratory will be used to verify the target cleanup objectives were met by the excavation process. Monitoring and analysis protocols have been defined within the FSAP (Appendix E).

7.2.2 Radioactivity Screening

The presence of radioactivity will be monitored using a combination of field instruments identified in the FSAP (Appendix E). Radioactivity levels will be characterized using on-Site gamma spectroscopy analytical evaluations. Regulatory verification will be performed using an off-Site laboratory.

The ability to use field instruments to identify the presence of radioactivity will support field identification and removal activities. The use of an on-Site gamma spectroscopy analysis will confirm that the field instruments are providing an accurate characterization of field conditions. The field gamma spectroscopy system will use a high purity germanium detector and have shielded counting capabilities using a geometry that minimizes counting time and provides a high degree of accuracy. Instrument operators will follow the manufacturer's operating procedures to ensure dependable performance. Quality assurance and quality control functions of energy calibration accuracy, calibration stability, and duplicate analysis precision will be performed to ensure reliability. The nuclide library will be specific to the radionuclide constituents of concern at the Site and will be consistent with that used by the analytical laboratory (STL).

The primary nuclide at the Site is uranium-238 (U-238), although a discrete location of thorium-232 (Th-232) has also been identified. Based on the characteristics of these nuclides and their decay sequence, instruments capable of evaluating the presence of these nuclides will be used. Applying the results of an analysis performed on the nuclides present at the Site, a series of laboratory protocols have been developed specific to the evaluation of radioactivity and are outlined in the FSAP.

7.3 CHARACTERIZATION SAMPLING DURING REMEDIATION

During the field activities, samples will be collected and subsequently analyzed on-Site using gamma spectroscopy to quantify the presence or absence of residual impacts and to evaluate the effectiveness of

the field monitoring instruments and techniques. This type of radiation survey is termed "remedial action support" using MARSSIM terminology.

7.4 CONFIRMATION SAMPLING AND ANALYSIS

Once the field instruments indicate that remedial efforts have achieved the established cleanup levels, a systematic confirmation sampling and analysis program will be performed. The locations for sampling will be biased toward those areas that had previously exhibited impacts, although select samples will also be recovered from within clean areas using a random selection protocol. The on-Site analysis will be used for confirmation sampling and for comparison purposes to field instruments. Based on the results, work will either be considered complete (and subject to final verification), or if residual impacts are noted, further remedial actions will be taken as necessary. If supplemental excavation is required, an additional confirmation sampling and analysis program will be performed to ensure that the impacts have been removed to meet the established cleanup levels.

7.5 VERIFICATION SAMPLING AND ANALYSIS

Upon meeting the established cleanup level, as determined by the confirmation program described above, sampling and subsequent analysis will be conducted for final verification of attainment of the cleanup goals. This survey is termed a "final status survey" using MARSSIM terminology (USEPA 2000).

The final status verification sampling plan will be submitted to NYSDEC prior to execution and will include samples from biased and unbiased locations using the sampling frequencies and separation distance established using MARSSIM methods. These locations will be documented in accordance with the ground control system. The samples collected will be sent to an off-Site laboratory for analysis subject to defined chain-of-custody procedures. All grid sampling points will be analyzed for VOCs, radiological parameters, and nickel and the grid will encompass the limits of the apparently contaminated soils. The results of these analyses will be evaluated using MARSSIM statistical methods and a determination will be made as to whether additional soil removal will be necessary or if the appropriate means for Site surface contour restoration may be performed.

8.0 REMEDIATION PROTOCOLS

On-Site remediation will be performed using defined protocols that address each of the chemical and radioactive impacts identified. While the protocols have been defined in response to the known impacts, the exact extent of these impacts may vary. Thus, remediation protocols have been developed to provide the flexibility needed to address the full range of potential field conditions. The following subsections provide a summary of these protocols and the methods used to ensure that both the workplace and the public's health and safety are protected.

8.1 DEMOLITION AND RECONSTRUCTION

An approximate 2,500-ft² area from the eastern portion of the building on the 140 Property will be removed to access potentially impacted soils beneath the foundation. This area extends from the eastern most set of support columns to the existing exterior wall. Prior to removing this portion of the structure, screening for the potential presence of hazardous materials will be performed in accordance with applicable local, State, and Federal requirements.

Upon completion of the demolition and remediation, the building will be reconstructed. The reconstruction will include the installation of a new load-bearing foundation and wall system.

8.1.1 Pre-Demolition Hazardous Materials Surveys

A comprehensive hazardous materials survey of the east bay of the building on the 140 Property will be conducted to evaluate the presence of materials that may be impacted during the demolition project. Personnel will survey for asbestos-containing building materials (ACBM), surfaces coated with lead-based paint, and for other suspect hazardous materials (i.e. PCBs, chlorofluorocarbons (CFCs), and mercury containing items). In addition, a representative fraction of demolition waste materials will be collected for analysis using the toxicity characteristic leaching procedure (TCLP) to evaluate the appropriate means for waste disposal. Tasks to be performed during the survey will include the identification of types, locations and quantities of hazardous materials; the collection and analysis of bulk samples of suspect materials; and the testing of potential lead-based paint coated surfaces.

Following completion of the field survey and sample analysis, an abbreviated survey report will be prepared, which will include a tabular listing of the materials determined to contain asbestos, lead-based paint, and other hazardous materials. These materials, if present, will be removed prior to the demolition of the building.

Asbestos

Asbestos bulk sampling will be conducted in accordance with USEPA Asbestos Hazard Emergency Response Act (AHERA) protocols in order to meet current Occupational Safety and Health Administration (OSHA) and USEPA requirements. The samples will be collected and analyzed in accordance with USEPA Methods 600/R/93/116 and 600/M4-82-920 to verify the presence of ACBM. ACBM will be grouped into homogeneous material categories (similar type, color, size, date of installation, etc.) and then sampled in accordance with AHERA protocols. Bulk samples of suspect ACBM collected during the field portion of the survey will be transported to URS' asbestos laboratory in Salem, New Hampshire.

Lead Paint

Suspect paint will be tested for lead using National Institute of Occupational Safety and Health (NIOSH) Method 7420. Testing will be performed by SCILAB in Weymouth, Massachusetts, a USEPA accredited laboratory. The results will be presented in an OSHA-acceptable format and copies will be provided to the contractors prior to building demolition.

Other Materials (CFCs, PCBs, and Mercury)

An inspection will be conducted for PCB containing ballasts, lifts or transformers, regulated refrigerants, and mercury containing items including signs, switches and thermostats. Potentially hazardous material will be sampled and profiled for appropriate off-Site disposal.

8.1.2 Engineering Survey

In accordance with the requirements of the OSHA, an engineering survey will be performed prior to demolition. This survey will address each of the potential hazards associated with the demolition effort, including the following:

- Structural analysis of the foundations including load-bearing walls and internal column foundations;
- Structural analysis of the above grade structures including the roof joist system, roof covering, and the associated connections;
- Evaluation of the concrete flooring system;
- Analysis of indoor HVAC, fire protection, and other internal operating systems and their need for deactivation and relocation;
- Analysis of subgrade utilities that will require protection or relocation;
- Evaluation of work activities performed during demolition and the identification of safe work practices;
- Evaluation of the effect of contamination on workers such as levels of training required under OSHA 1910.120; and
- Evaluation of the potential for off-Site influences to occur during work (airborne dust migration or debris falling off the Property).

8.1.3 Demolition Plan

Based on the results of the engineering survey, a Demolition Plan will be prepared that details the demolition field activities. This Plan will discuss the demolition effort in accordance with the information obtained during the engineering survey. The Demolition Plan will identify a sequential group of "hold points" that will require a status evaluation prior to moving forward. These hold points are intended to address each key element of the process that could represent a risk to Site workers, such as preparing for the removal of load bearing connections, walls or other support systems.

The Demolition Plan will be developed using drawings and a written narrative to define the key hold points and the methods used to reinforce workplace and public safety. Prior to initiating work, demolition personnel will be required to review the plan and be aware of the hold points identified.

The above grade demolition work will be performed prior to commencing below grade remediation activities. The approximate order of major demolition activities will be as follows:

- Internal utilities will be relocated and remnants removed;
- External brick walls will be removed to the extent that they are not functional to support of the roof or building structure;
- The roof will be removed in panels back to the final reconstruction line in accordance with appropriate asbestos management protocols, if necessary;
- The remaining structure will be dismantled to the reconstruction line; and
- Concrete flooring will be saw-cut in panels to facilitate screening and removal.

8.1.4 Structural Dismantling

The project sequence identified below provides for the removal of each structural building component based on its hierarchy within the structural support system. Accordingly, initial work efforts will be focused on the removal of brick walls as they provide no direct support to the steel frame structure. These walls will be removed by selectively sawing joints, if necessary, and then pulling down individual sections. These sections will be subject to pre-wetting to reduce dust. The resulting debris will then be loaded into dumpsters for off-Site disposal.

Once the brick walls have been removed, the roof will be taken apart in panels with each panel lifted using a crane and deposited directly into dumpsters for off-Site disposal. During this work, consideration will be made to the results of the ACBM survey such that if present, the roof panels will be removed subject to accepted protocols. As appropriate, the connections between panels will be severed and if necessary, these panels will be saw-cut to prevent placement of any external loads on the buildings steel framework and to facilitate removal. Materials that contain asbestos will be appropriately contained, documented and shipped to a licensed disposal facility. Materials that are not impacted with asbestos will be evaluated with respect to their potential for recycling and shipped to an appropriate off-Site management facility.

Upon completion of the roof removal, the steel framework will be dismantled and each structural member lifted individually. During this process any unsupported members will be stabilized subject to applicable rigging guidelines. Since chemical or radioactive impacts have not been noted on any of the existing above grade structural components, the work will be performed using clean protocols. However, any activity that could require exposure of the subgrade will be accompanied by chemical and radioactive screening.

8.1.5 Concrete and Masonry Demolition

Concrete floor slabs and foundations, as well as asphalt paving will be removed as part of the remediation process. In addition, portions of floor slabs will also be removed to support on-going delineation of impacts on soil. Removal of floor slabs will be performed by saw-cutting the limits of the area requiring removal. The removal areas delineated will be sufficient to support the range of excavation activities required. These excavations may include both excavations to evaluate the limits of impacted soil as well as for the removal of impacted soil. To help evaluate whether concrete and masonry materials have been impacted, these materials will be segmented into manageable size pieces. Each of these pieces can then be screened to evaluate whether radioactive impacts exist that require decontamination or to confirm they are clean and require no further action prior to disposal or recycling.

Flat work within potentially impacted areas will be removed in pieces that are segmented using an appropriate form of cutting saw or other similar device. The size of the pieces created will depend upon the structural characteristics and weight as they affect screening and management efforts. At present, it is anticipated that concrete will be segmented into pieces of approximately 20-square feet. These pieces will be removed and held for screening using a hydraulic excavator equipped with a bucket and thumb. Concrete foundation components will be removed in smaller sections due to the anticipated thicker sections. Asphalt will also be removed in smaller sections due to the lack of structural rigidity and the potential need to provide handling by hand.

Each piece of flat work removed will be subject to screening at the time of removal. The screening performed will include the use of field instrumentation calibrated to assess whether radioactivity is present at concentrations exceeding the established background conditions. These materials will be placed directly into dumpsters for shipment to the applicable management facility.

8.1.6 Structural Reconstruction

Once inspected soils have been removed within the area subject to demolition, a new-load bearing foundation will be constructed. Using this foundation, a new load-bearing wall will be constructed and connected to the existing building system in accordance with appropriate local building codes.

8.2 IMPACTED WORK AREA ENCLOSURES

During excavation activities, soils impacted with radionuclides, organic compounds, and nickel may be encountered. The potential routes of exposure include airborne or surface water contamination. Both of these pathways have been considered and will be managed through the use of temporary enclosures. The structure will contain the airspace surrounding the excavation and act as a barrier to prevent surface water intrusion during large precipitation events. The enclosures will be of lightweight truss construction with vertical sidewalls that can be covered with a coated material to prevent vapor migration.

The enclosures will be constructed prior to commencing remediation at each location. The structures will be subject to local permitting requirements and will require certification that it meets local building codes for snow, wind, and seismic loads. If any foundations are required that necessitate below grade construction, such work will be monitored and remediated following the protocols outlined within this Work Plan. In particular, it is anticipated that the sands typical within the subsurface will provide bearing strengths suitable to support spread footing foundations.

8.2.1 Air Handling System

Based on the potential for airborne contaminants to migrate from the excavation, a negative pressure environment will be maintained. This air treatment system will provide a positive draw of air into the enclosures equivalent to four to six air changes per hour. The air recovered will be filtered to remove potential airborne particulates and treated using activated carbon. The carbon use will be monitored to evaluate when the carbon is spent and needs replacing.

The enclosure(s) and air handling system have been designed for a nominal flow rate of 13,000 cubic feet per minute (CFM). This flow rate is adequate to maintain a capture velocity of a minimum of 100 feet per minute (FPM) with the main enclosure door fully open, and over 300 FPM with the main enclosure door lowered to within 4 feet of totally closed. The air velocity at the main enclosure door will be maintained at 100 fpm during excavation and loading activities in the enclosure. If the air handling system fails

during these activities for any reason, the door/airlock will be fully closed. Air velocity entering the door/airlock will be measured periodically using a vane-type or other appropriate velometer capable of measuring air velocities of 0-400 FPM. Differential pressure (negative pressure) may also be monitored using a differential pressure manometer.

According to NYSDEC, an air-handling permit is not required however monitoring will be conducted. It is anticipated that NYSDEC will assist with the establishment of air handling guidelines to define the air handling process and the monitoring appropriate to verify compliance. The concentrations of organic vapors will be monitored in accordance with the community air-monitoring program (CAMP). The program includes the use of Mini Rae(s)TM; portable air monitors (DustTraks), personal air sampling pumps, and radiation detection instrumentation.

Dust and Odor Suppression

Active forms of dust and odor suppression will be used throughout the project. The methods employed will be specific to the need, the work activity, the Site conditions, and the specific risks posed. These efforts will include maintaining equipment and dust and odor suppression chemicals at the Site. The specific types of activities performed are summarized as follows, although adaptations to provide a more complete form of coverage may be developed if determined to be appropriate.

Dust Suppression—Dust suppression methods will include the use of water misting systems within active work areas to minimize particulate mobilization. The amount of moisture applied will be monitored to provide the dust suppression needed while limiting the potential for saturation of the surface soils.

Within exposed soil areas subject to traffic, dust suppression compounds such as magnesium chloride or other form of environmentally benign binding agent may be used. Other forms of dust suppression such as the use of long duration foams such as those manufactured by Rusmar Foam Technology may be used. These materials may also be used to minimize sloughing of exposed soil slopes within excavations. These compounds and their use specific to the project activity will be reviewed with the NYSDEC Site Representative prior to application.

Odor Suppression—Odor suppression compounds or foams will be used specific to the concentration, compound, and degree of control required.

8.2.2 Enclosure Storm Water Control System

A significant amount of runoff may occur from the enclosure during major precipitation events. Further, the footprint of the enclosure may disrupt the natural flow paths for surface water migration based on the existing Site topography. In the event that surface water flow disruption occurs, methods will be applied to prevent surface water from ponding or entering the enclosure at the interface between the ground surface and the canopy (Appendix D).

Due to the runoff from the canopy, a passive system of berms will be used to prevent surface water intrusion from outside the canopy. Free water that contacts the ground outside the enclosure at the canopy-ground interface will be routed into a shallow, lined collection trench that discharges to either natural drainage courses or into a collection sump.

8.2.3 Decontamination and Service Areas

A mobile decontamination system will be maintained within the enclosure(s). This will limit the potential for cross-contamination and ensure that the exclusion zones are self-contained.

A refueling area will be established to limit the need for fuel delivery trucks to enter impacted work zones. Fueling of large equipment will be done through daily deliveries. Small volumes of oil and gasoline will be staged to maintain small equipment. Fueling operations will be performed in a manner that limits the potential for releases and that does not facilitate cross-contamination.

To support the routine servicing of equipment, equipment will be positioned within accessible portions of the excavations to accommodate service by personnel with appropriate health and safety training. This will reduce the threat of cross-contamination. In the event that major maintenance is required, the equipment will be subject to complete decontamination and removal from the working area.

8.3 MATERIAL MANAGEMENT

To support the packaging and transportation requirements, MHF-LS will provide packaging for the impacted materials using the Lift-Liner™ system and/or the 25 cubic yard IP1 intermodal containers. Transportation to the New York and Atlantic Rail siding will be via flatbed or roll-off truck (Figure 5). Transportation to the Envirocare Disposal Facility in Clive, Utah will be via MHF-LS high-sided gondola railcars for Lift-Liners™ and articulating bulk commodity (ABC) flatcars for the shipment of intermodal containers. MHF-LS will also be providing a representative from its Technical Services Group to prepare shipping manifests and coordinate logistical requirements at the Site and rail yard. At the rail yard, MHF-LS will be providing the lift equipment and personnel to properly load railcars and secure materials for shipment.

As the excavation work proceeds, impacted material will require management in a manner that considers the type and extent of impacts. Specifically, the characterization of the materials generated (clean vs. impacted) and the definition of management options will be an on-going requirement. Materials sorting, handling, and packaging will be completed within the enclosure(s) to limit materials handling activities and provide for more efficient remediation. Containers for the storage of impacted as well as potentially clean materials will be placed within the enclosures during excavation. A schematic of the materials management process is provided as Figure 6.

Numerous considerations will be made as part of the overall management of excavated materials. The following sections discuss the management of these materials.

8.3.1 Handling

To the extent possible, excavation work will be performed in a manner that segregates clean and impacted materials. Soils with known impacts will be placed directly into Lift-Liners™ at the point of excavation (Appendix F). The Lift-Liners™ will be staged to await off-Site transportation to the rail siding where they will be loaded directly onto railcars for transport to the disposal facility. Materials that are anticipated to be clean will be segregated and stockpiled. The individual stockpiles will then be subject to confirmatory sampling and analysis to verify the soils meet the target cleanup levels established. Once verification has been completed, the soils will be moved to an outdoor storage location and covered. Upon completion of the excavation, clean materials will be used as backfill material.

8.3.2 Waste Staging

Waste will be packed in Lift-Liners™ and staged in a designated area until ready for shipment to the disposal facility. The staging containers will be isolated using fencing and designated by signs to limit access. Once Lift-Liners™ containing waste materials are prepared for shipment, they will be screened in the storage area using wipe samples and monitored for gamma exposure rate at a distance of 1 meter. Following screening and manifesting, each container will be transported to the rail siding. Waste will be staged in a designated area on the 140 Property. No waste will be staged at the rail siding.

8.3.3 Transport to Load-Out Area

Materials that have been packaged in Lift-Liners™ will be loaded onto flatbed trucks and transported to a nearby rail yard for load out. Lift-Liner™ specifications are provided as Attachment 1 in Appendix C. A pre-audited, certified hazardous material trucking company will perform the over-the-road transport of the Lift-Liners™ from the Site to the New York and Atlantic Railroad siding approximately ½ mile away. The Lift-Liners™ will be loaded and transported two at time, weight allowing, with the Lift-Liners™ being tied down to the flat bed truck using two, 2-inch nylon straps for each package. The Lift-Liners™ will be covered during their transport to the load-out area. Additionally, local law enforcement will be notified prior to transport if traffic control is deemed necessary. A Traffic Control Plan is provided as Appendix C.

8.3.4 Load-Out

High-sided gondola rail cars will be staged in the load out area prior to truck shipments leaving the Site. Prior to loading, a pre-inspection of the railcar will be performed to verify that contamination is not present. After inspection and acceptance of the railcar, a 10-mil polyethylene liner will be placed inside the railcar. Once the Lift-Liners™ arrive at the load-out area, they will be lifted by crane from the flatbed truck into the railcar. The personnel at the load-out area will spot the placement of Lift-Liners™ within each railcar. After the packages have been placed into the gondola, the liner will be closed in a "burrito wrap" fashion and secured with elastic bungee cords prior to final shipment.

8.3.5 Transportation

Once the gondola railcars are loaded and approved for shipment, the cars will be pulled from the rail spur to the New York & Atlantic Rail Road in Hicksville, NY. The gondolas will then be transported to Fresh Pond, NY and interchanged with the CSXT Railroad (CSXT). The CSXT will haul the cars to Chicago, IL where the cars will be interchanged to the Union Pacific Railroad (UPRR). The UPRR will then haul the cars to Envirocare in Clive, UT for final disposition. Figure 7 demonstrates the routing the cars will take during rail transport. The gondolas physical location will be tracked daily, and reports of the car locations will be provided.

8.3.6 Disposal

Envirocare, the disposal facility, is directly served by rail from the UPRR. Upon acceptance at the facility, the railcars will be emptied via a rotary dumping method, the impacted material will be landfilled, and the railcars will return to service.

8.3.7 Compaction

Waste materials such as wood, soil, crushed concrete, and other loose material will be compacted, to the extent practicable, within the Lift-Liners™ to reduce the volume. Compaction efforts will use hand and machine-based methods to ensure compact and uniform distribution of the waste in the Lift-Liner™. As part of these compaction efforts, consideration will be given to the materials moisture content to ensure that free water does not accumulate at the top of the Lift-Liners™ during shipment.

8.3.8 Manifests

Shipping of impacted materials will be performed subject to defined State and Federal regulations, and in compliance with the receiving facilities requirements. Accordingly, shipping manifests will detail the weight and classification of wastes within each container and the total for each conveyance. The classification information will be based on waste profiling efforts that have been used to evaluate the most appropriate method for off-Site management, with the manifest recording the actual inventory of the individual package. Copies of the manifests will be maintained at the Site for the duration of the remediation program.

9.0 REMEDIATION CLEAN-UP LEVELS

Remediation will be performed to remove those materials impacted by process residuals at concentrations exceeding the target cleanup levels. Concentrations of impacts that fail the TCLP and are commingled with radionuclide impacted soil will necessitate management of the material as a mixed waste. The materials potentially impacted are discussed in the following sections.

9.1 BUILDING MATERIALS AND DEBRIS

The building materials and debris recovered during the project may be impacted by residuals. To the extent practicable, these materials will be decontaminated to remove residual impacts. If such impacts cannot be removed, then the impacted portion of the material or debris will be packaged and shipped to an appropriate off-Site disposal facility.

The target cleanup level for building materials and debris will be contaminant-specific. Due to the potentially broad range of material types, analysis of residual contamination may be performed subject to a variety of screening methods ranging from analyzing the material itself to collecting wipes to provide an assessment of removable contamination. The method chosen will be selected based on the type of material, the contaminant, and the applicable regulatory requirements.

9.2 SOILS

Soils may be impacted with one or multiple contaminants. The target cleanup levels for each of the identified contaminants are as follows:

- Radioactive Materials (processed natural uranium, thorium, and associated radioactive progeny);
 - Total Uranium: 100 picoCuries per gram (radioactive levels provide appropriate protection for chemical toxicity of uranium)
 - Uranium – 238: 50 picoCuries per gram (to 16 feet bgs)
 - Uranium – 234: 50 picoCuries per gram (to 16 feet bgs)
 - Thorium – 232: 2.8 picoCuries per gram (to 16 feet bgs) above background concentration

In addition, post-remedial concentrations of these radionuclides will not result in a radiation dose exceeding 10 millirem/yr in accordance with TAGM 4003.

- Volatile Organic Compounds
 - PCE: 1.82 parts per million
 - TCE: 0.7 parts per million
- Metals
 - Nickel 560 parts per million

If upon excavation to 16 feet, there exists soil that exceeds the target cleanup levels, all relevant information will be reviewed to determine the next step. Radiological data (surveys, sampling results), engineering / safety concerns, location, etc. will all weigh in on the final decision. All reasonable options for addressing any remaining contamination will need to be considered. If unexpected contamination is encountered at greater depths, GTEOSI will consult with NYSDEC and NYSDOH to determine the appropriate approach.

The EPA maximum contaminant level (MCL) for uranium found in Title 40 CFR part 141 is based on the chemical toxicity of uranium in drinking water. The derivation of proposed cleanup criteria for uranium in soil included the exposure of an individual in the future through consumption of drinking water that was potentially contaminated with uranium. The proposed soil cleanup level for uranium is such that the potential uranium concentration in groundwater does not exceed the EPA Primary Drinking Water Standard MCL. Thus the soil cleanup level, expressed in radiological units, is protective for the chemical toxicity of uranium.

9.3 SURFACE, GROUND, AND DECONTAMINATION WATER

Water which is recovered as part of the project will be subject to sampling and analysis prior to off-Site disposal. Such waters may accumulate within excavations as a result of surface infiltration and/or subsurface migration into excavation areas.

9.4 SURFACE READINGS

Tools, instruments and equipment used during the project may be impacted over a portion of their surface area. The appropriate method for management of these materials will be evaluated using an assessment of the total and removable radioactivity components. Equipment will be visibly clean and removable surface contamination will be evaluated by smear surveys. Decontamination survey procedure is provided in the Health and Safety Plan.

10.0 FINAL PROJECT DOCUMENTATION

Final project documentation will include the use of photographs and written descriptions of work activities to support Site surveys and screening. This section outlines the various forms of documentation that will be provided to NYSDEC, and the fundamental considerations included within the documentation program.

10.1 PHOTOGRAPHIC DOCUMENTATION

Photographic documentation will be used to provide chronological documentation of remediation activities and Site restoration. In addition, photographic documentation will be performed to establish the conditions of the Site before construction activities. Efforts will be made to restore the Site to conditions that meet or exceed the pre-remedial action conditions.

10.2 FIELD NOTES AND LOGS

Photographic documentation will be supported by written documentation. The focus of the written documentation will be to summarize the following activities:

- Daily work activities;
- Daily Site safety meetings;
- Progress of work in relation to the schedule;
- Factors or conditions that may impact future work activities;
- Delineation of work areas based on the results of on-Site screening measurements; and
- Site conditions encountered during the remediation process.

Documentation will be comprehensive and provide a detailed tracking of remediation operations, locations, radioactive material management, and the results of field screening and testing.

10.3 INSTRUMENT CALIBRATION DOCUMENTATION

Instrument calibration records will be maintained current throughout the duration of the remedial activities in accordance with the manufacturer's requirements and as specified in the FSAP provided in Appendix E. Calibration records will be maintained for the duration of the remedial activities. The documentation will include comprehensive tracking and ensure instrument accuracy as necessary.

10.4 AS-BUILT DRAWINGS

As-built drawings will be prepared to document the post-remediation conditions of the Site, as well as post-excavation verification sampling and Site-wide gamma exposure or other applicable radiation surveys. The as-built drawings will also illustrate the reconfiguration of the building at the 140 Property and subsurface foundation. The as-built drawings will be prepared and submitted with the Final Project Report.

10.5 FINAL PROJECT REPORT

The Final Project Report will include documentation, and the supporting narrative necessary to support NYSDEC's release of the Site for unrestricted use. The Final Project Report will summarize the activities performed during the remediation, document and illustrate the post-remediation conditions of the Site, and it will include pertinent field information collected during the remedial activities. Drawings, copies of waste disposal certificates, and photographs will also be included or referenced therein.

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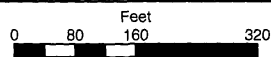
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FIGURES

SYL00116422



- Property Line
- Predicted Excavation Extents

Date of Aerial Photo: August 2001

Projection Information
 Stateplane Projection
 Long Island Zone
 North American Datum 1983
 Feet

SYL00116423

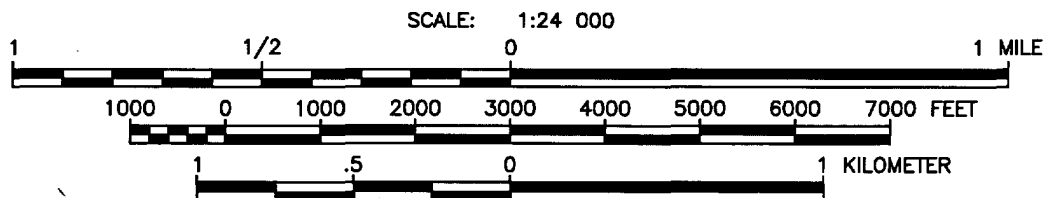
GTE OPERATIONS SUPPORT INCORPORATED
 HICKSVILLE, NEW YORK

Figure 1
 General Remediation Areas

ENVIROCON
Environmental Remediation Consultants



DESTINY
 RESOURCES, INC.



NORTH

MAP REFERENCE:

PORTION OF U.S.G.S. QUADRANGLE MAP
7 1/2 MINUTE SERIES (TOPOGRAPHIC)
HICKSVILLE, NEW YORK 1967
PHOTOREVISED 1979

NYSDEC: V 00089-1; URS: 27010-039

SYL00116424



QUADRANGLE LOCATION

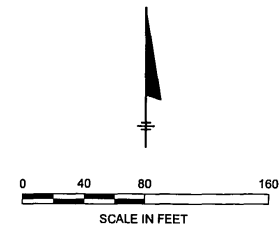
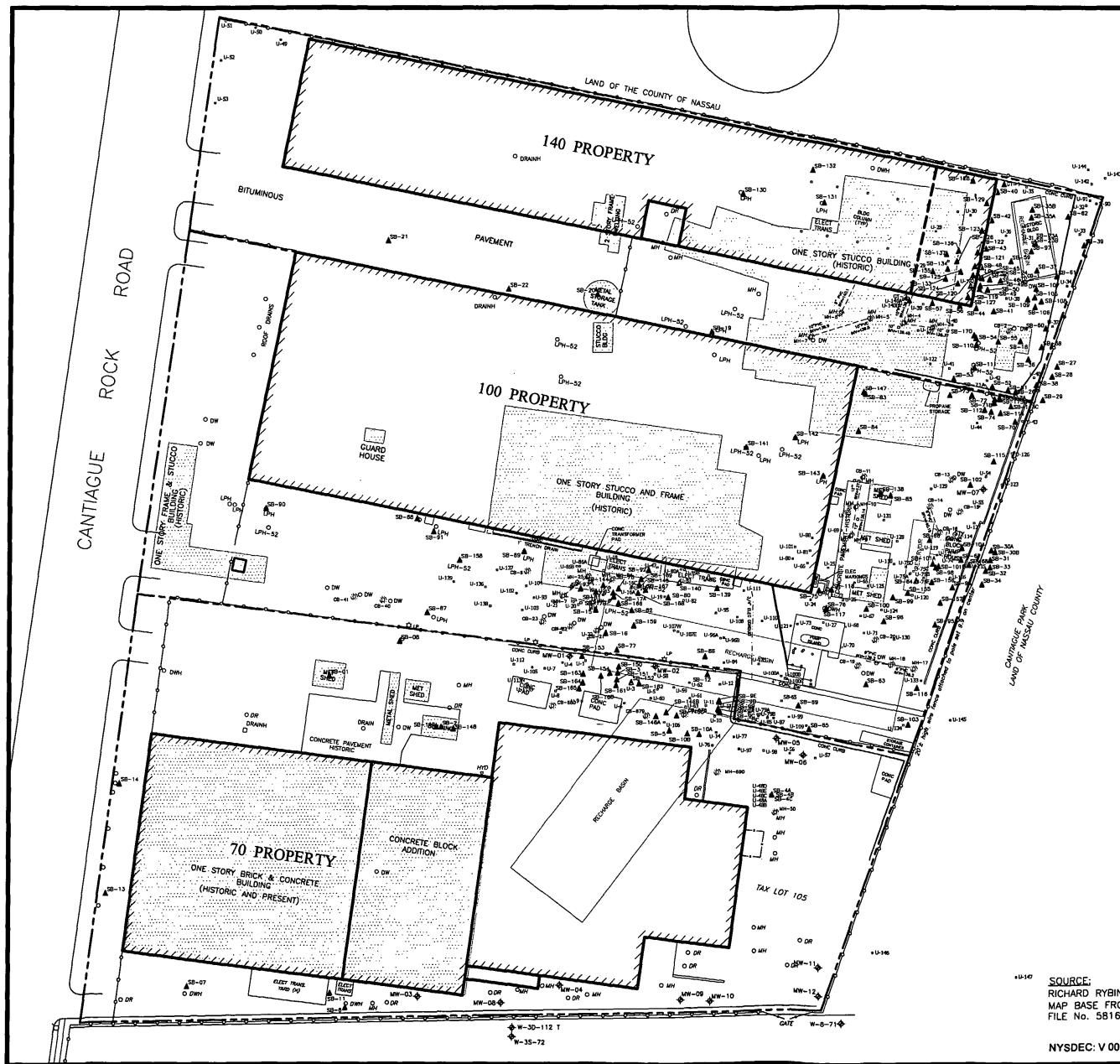
GTE OPERATIONS SUPPORT INCORPORATED
HICKSVILLE, NEW YORK

FIGURE 2
SITE LOCATION MAP

DATE: MAY 3, 2002
JOB NO.: 27010-039-007
DRAWN BY: CHK'D BY:
MAR CS
SCALE: AS SHOWN

URS

1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, ILLINOIS 60008
PHONE: 847.228.0707
FAX: 847.228.1115



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ENGINEER, TO ALTER THIS DOCUMENT.

THIS DRAWING WAS PREPARED AT THE SCALE INDICATED IN THE TITLE BLOCK. INACCURACIES IN THE STATED SCALE MAY BE INTRODUCED WHEN DRAWINGS ARE REPRODUCED BY ANY MEANS. USE THE GRAPHIC SCALE BAR IN THE TITLE BLOCK TO DETERMINE THE ACTUAL SCALE OF THIS DRAWING.

LEGEND

- = CURRENT BUILDINGS
- = FORMER BUILDINGS
- = SOIL BORING LOCATION
- = MONITORING WELL LOCATION

HISTORIC STRUCTURES

- LP = LEACHING POOL
- DW = DRY WELL
- DR = DRAIN
- CT = CISTERN
- ST = SEPTIC TANKS
- IL = INLET
- HY = HYDRANT
- CP = CESSPOOL
- WM = WATER METER PIT

SYL00116425

GTE OPERATIONS SUPPORT INCORPORATED
HICKSVILLE, NEW YORK

FIGURE 3 CURRENT SITE CONDITIONS AND SAMPLING LOCATIONS WITH HISTORIC OVERLAYS

DATE: OCT. 29, 2002
JOB NO.: 27010-039-007
DRAWN BY: CS
CHECKED BY: CS
SCALE: AS SHOWN

URS
1701 GOLF ROAD, SUITE 1000
ROLLING MEADOWS, ILLINOIS 60008-4227
PHONE: 847.228.0707
FAX: 847.228.1115

SOURCE:
RICHARD RYBINSKI, NYS LICENSED SURVEYOR; JULY 2001
MAP BASE FROM O'BRIEN & GERE ENGINEERS, INC.;
FILE NO. 5816.009.810, SEPTEMBER 2001.

NYSDEC: V 00089-1; URS: 27010-039

SYL00116427

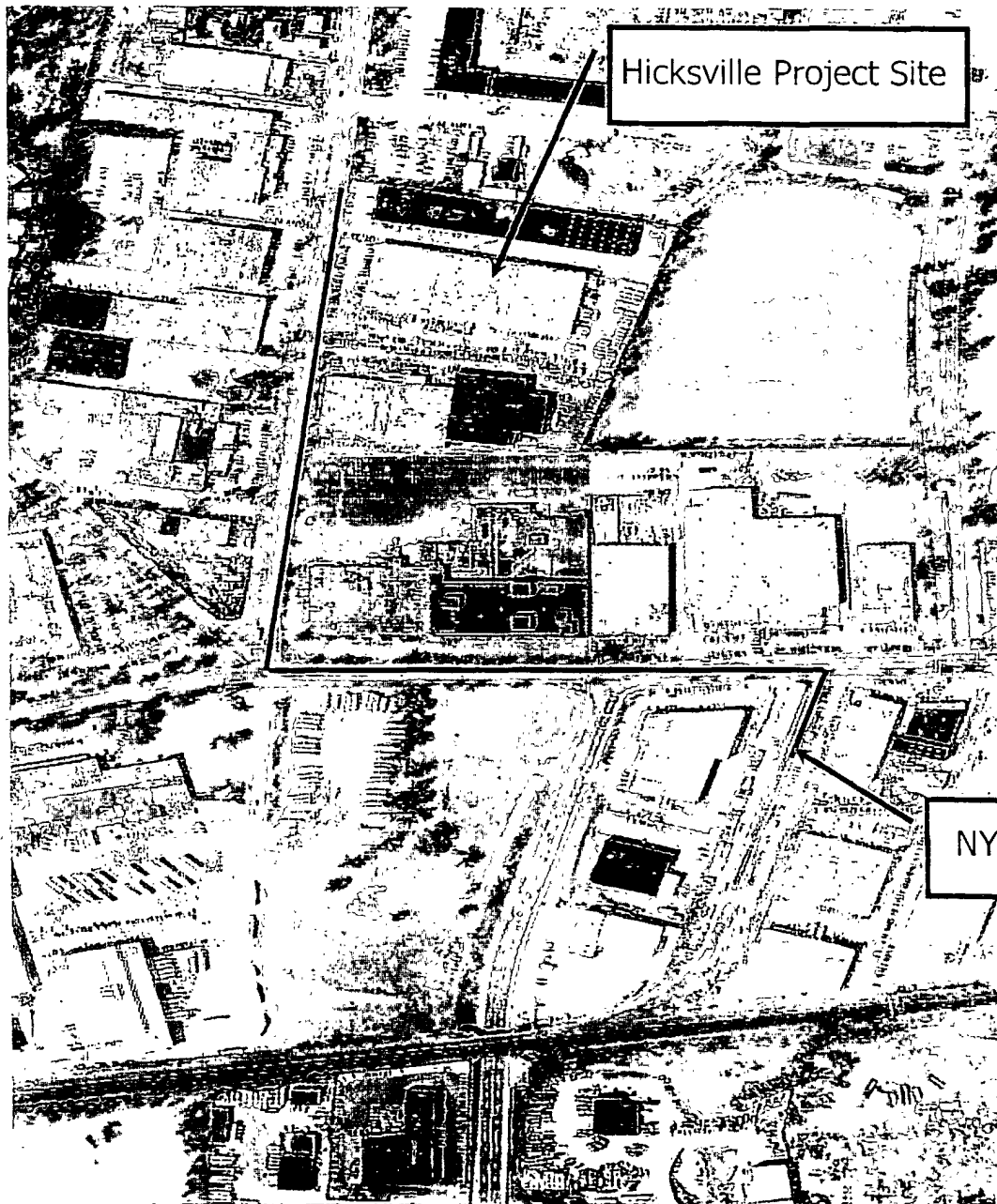


Figure 5

Truck Route To Rail Loading Area

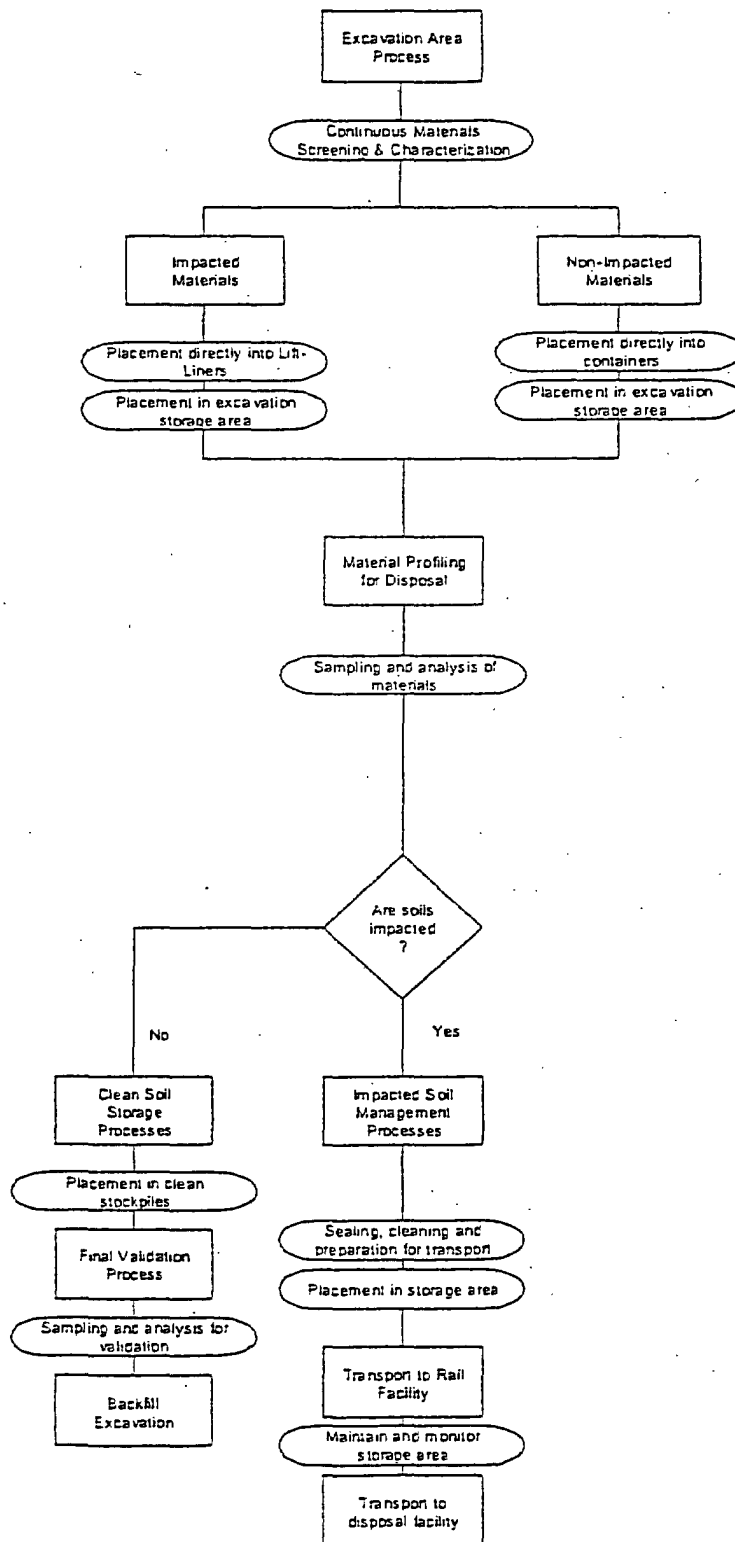
From Site:

**Left onto Cantiague
Rock Road**

Left onto West John St.

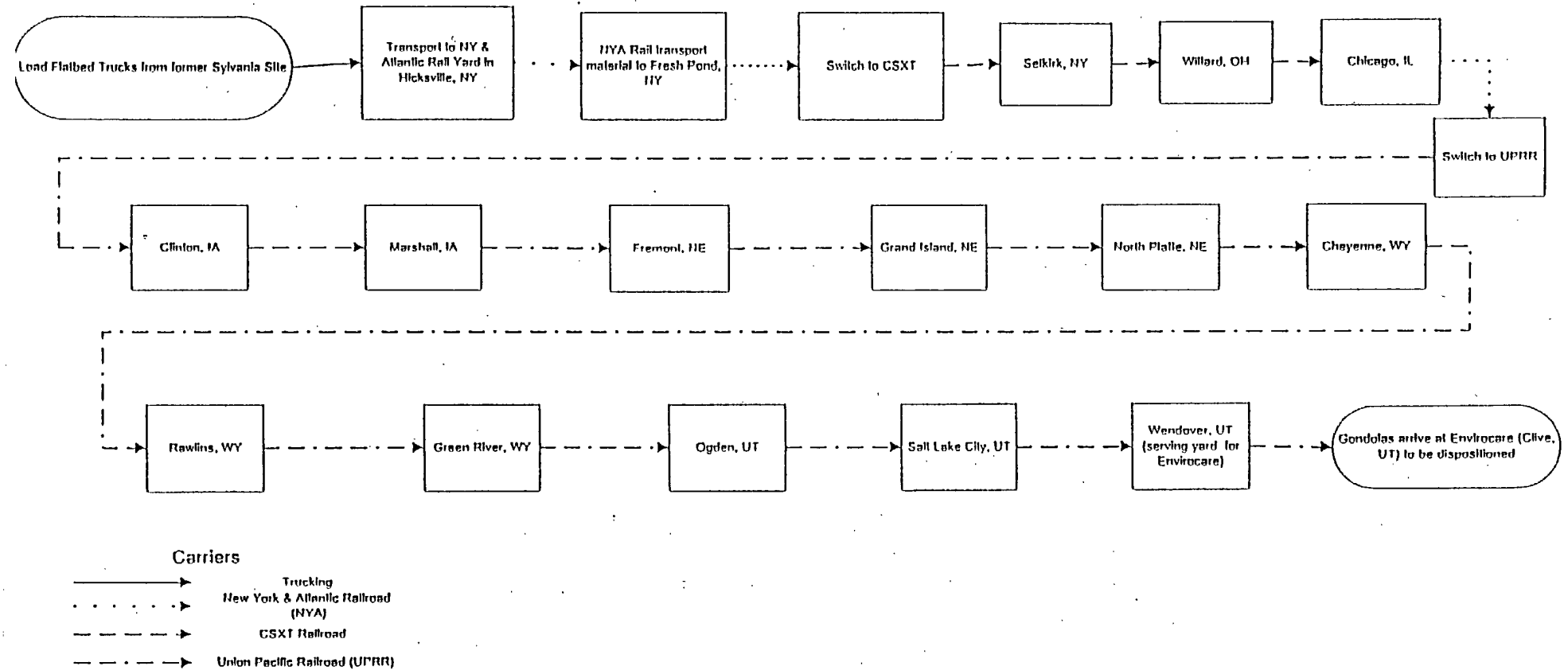
**Right into Fenced Rail
Yard**

Figure 6
Schematic of Materials
Management Process



SYL00116428

Figure 7
Flow Diagram For The Transportation of Waste
Material From Hicksville, NY to Envirocare of Utah



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/hicksville_p2/gis/hick01/footprints/dec_voc_v2.mxd



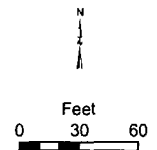
Figure 8a
Predicted Excavation Depth
Volatile Organic Compounds
(TCE and PCE)

LEGEND

- Borehole Locations
- Buildings
- Property Lines
- Area Outlines
- - - Overlap Area Boundaries
- - - Predicted Excavation Extent

Excavation Depth

- 2 feet
- 4 feet
- 8 feet
- 12 feet
- 16 feet
- 20 feet
- 24 feet



Projection Information on
Stateplane Projection
Long Island Zone
North American Datum 1983
Feet

NYSDEC: V 00089-1

URS: 27010-039

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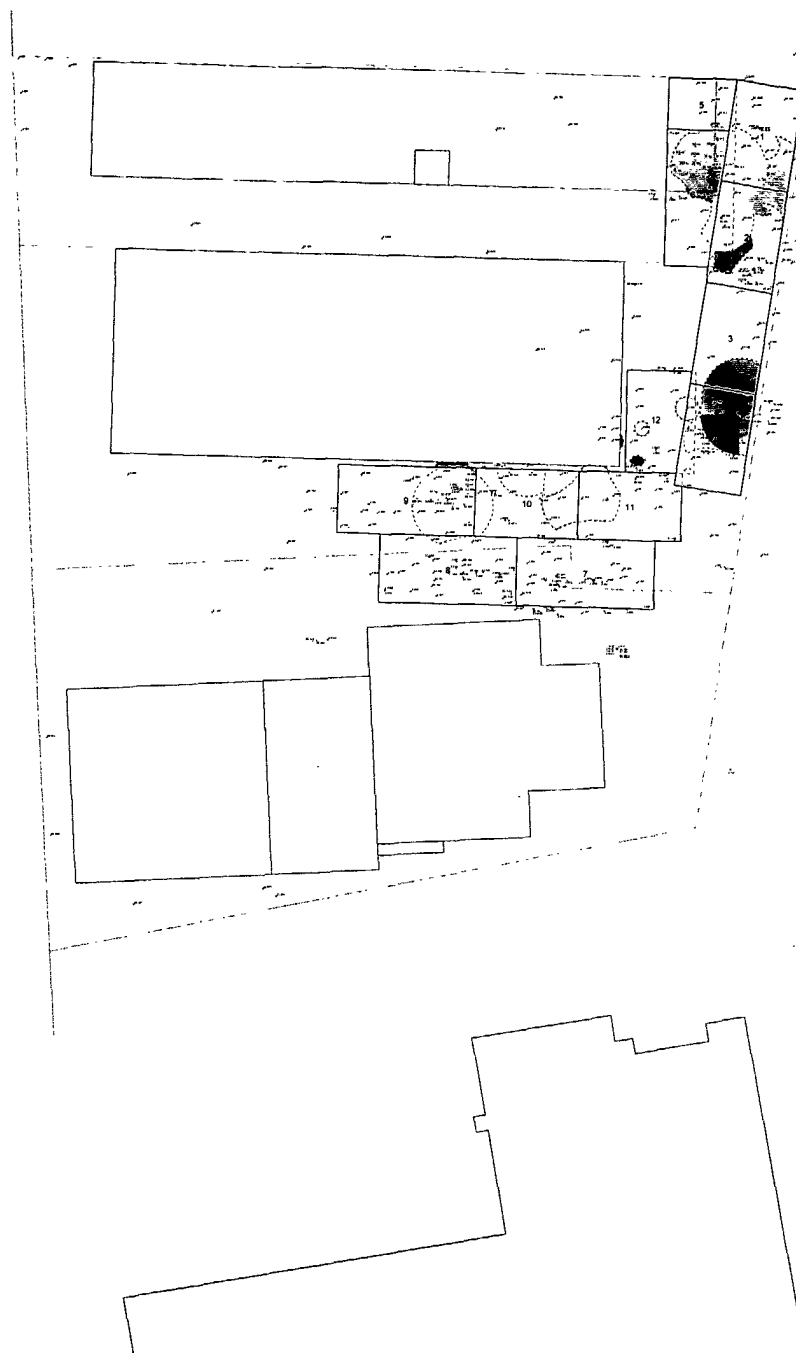
DESTINY
RESOURCES, INC.

DRI_ID: 1006.M0067

June 20, 2003

Figure 8b
Boring Locations
and
VOC
Analytical Results

Borehole	Depth From (Ft)	Depth To (Ft)	YtHx/Hexachloro (mg/kg)	YtHxHexachloro (mg/kg)
SB-017A	2.5	3	8.4	28 J
SB-024	4	5	52	57 U
SB-024	5.5	7		2.4 J
SB-024	9.5	7	7900 J	
SB-047	8.67	11.33	36	
SB-049	12	13	7.8	
SB-054	8	10	22	
SB-064	8	9	17	
SB-067	6	7.33	170 J	
SB-105	4.5	5	16500	18
SB-111	0	4	18 D	
SB-116	0	4	42 D	
SB-119	0	4	18 D	
SB-120	4	8	87 D	
SB-121	0	4	82 D	
SB-124	0	4	14 D	
SB-125	0	4	8.8	
SB-127	0	4	18	
SB-134	0	4	2.5 D	
SB-180	8	12	75	34
U-064	5.5	8	5	
U-068	3	3	74 J	
U-074	4	4	72	28 U
U-074B	20	20	140	
U-084	10	10	12	
U-110	2.5	3	71	
U-114	15	15.5	840	
U-114	18.5	18	200	18 U
U-117	26	26	44	13 U
U-128	8	8.5	8.1	



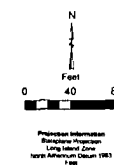
Legend

- Borehole Locations
- Buildings
- Property Lines
- Area Outlines
- Predicted Excavation Extent
- Overlap Area Boundaries

Excavation Depth

- 2 feet
- 4 feet
- 8 feet
- 12 feet
- 16 feet
- 20 feet
- 24 feet

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NY DEC 100081 LMS 27010306

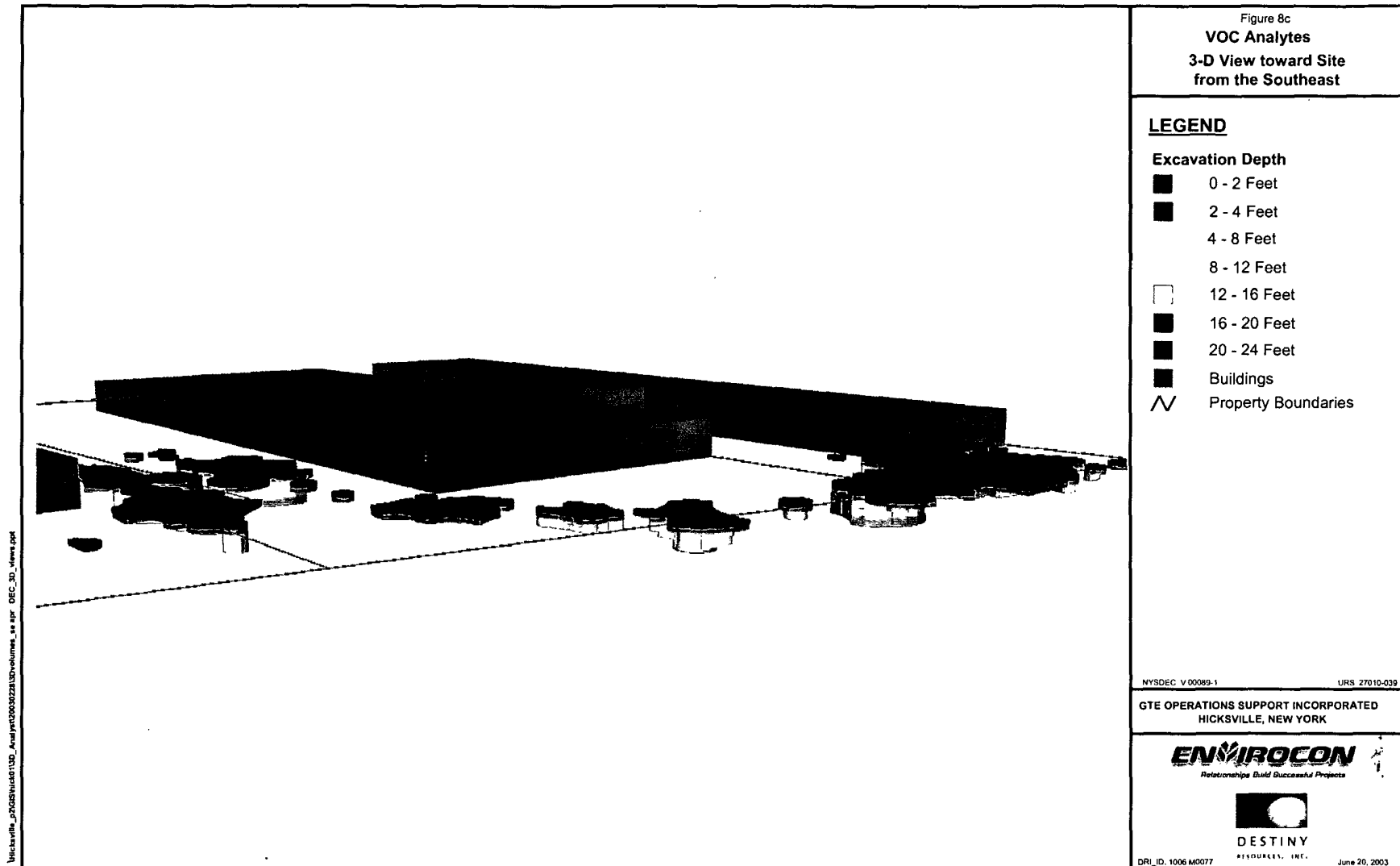
GTS OPERATIONS & SUPPORT INCORPORATED
ROCKVILLE, MD 20850

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Environmental Remediation Services



DRY-10 1006 M0073 June 20, 2003

SYL00116432



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SYL00116433

Legend

- Borehole Locations
- Buildings
- Property Lines
- Area Outlines
- ... Overlap Area Boundaries
- ... Predicted Excavation Extent

☐ 2 feet
☐ 4 feet
☒ 8 feet
☐ 12 feet
☐ 16 feet
☐ 20 feet
☐ 24 feet

SYL00116434



Projection Information
 Spheroid: Clarke
 Datum: North American
 Zone: 18
 Units: Feet

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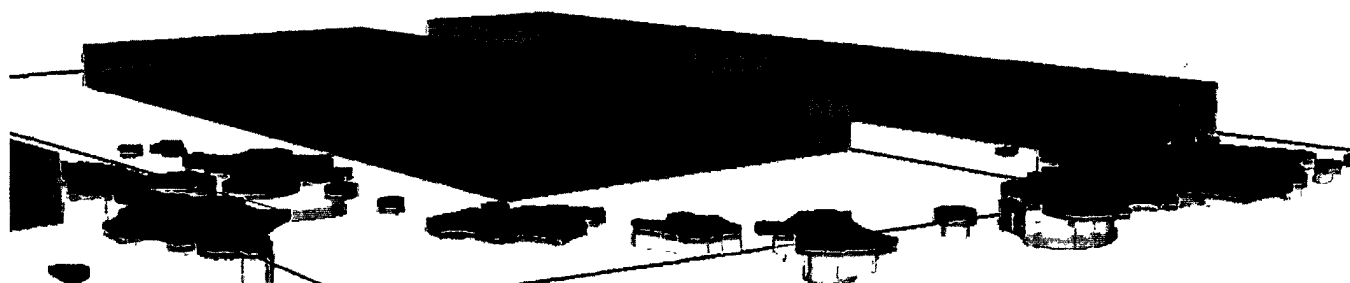
Figure 9c

Radionuclide Analytes
3-D View toward Site
from the Southeast

LEGEND

Excavation Depth

- 0 - 2 Feet
- 2 - 4 Feet
- 4 - 8 Feet
- 8 - 12 Feet
- 12 - 16 Feet
- 16 - 20 Feet
- 20 - 24 Feet
- Buildings
- ∨ Property Boundaries



NYSDEC V 00089-1

URS 27010-039

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SYL00116436

Figure 10b
Boring Locations
and
Metals (Nickel)
Analytical Results

Legend

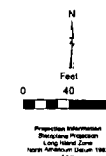
- Borehole Locations
- Buildings
- Property Lines
- Area Outlines
- Overlap Area Boundaries
- Predicted Excavation Extent

Excavation Depth

- 2 feet
- 4 feet
- 8 feet
- 12 feet
- 16 feet
- 20 feet
- 24 feet

Borehole	Depth From (Ft)	Depth To (Ft)	Nickel (mg/kg)
SB-013	13.25	14.5	584
SB-071	12	13.3	1820
SB-079	12	13	1350
SB-081	14.5	15.5	1350
SB-109	4.5	5	674
SB-145	0	6	510
SB-153	0.5	2	1790
SB-169	8	12	20100 D

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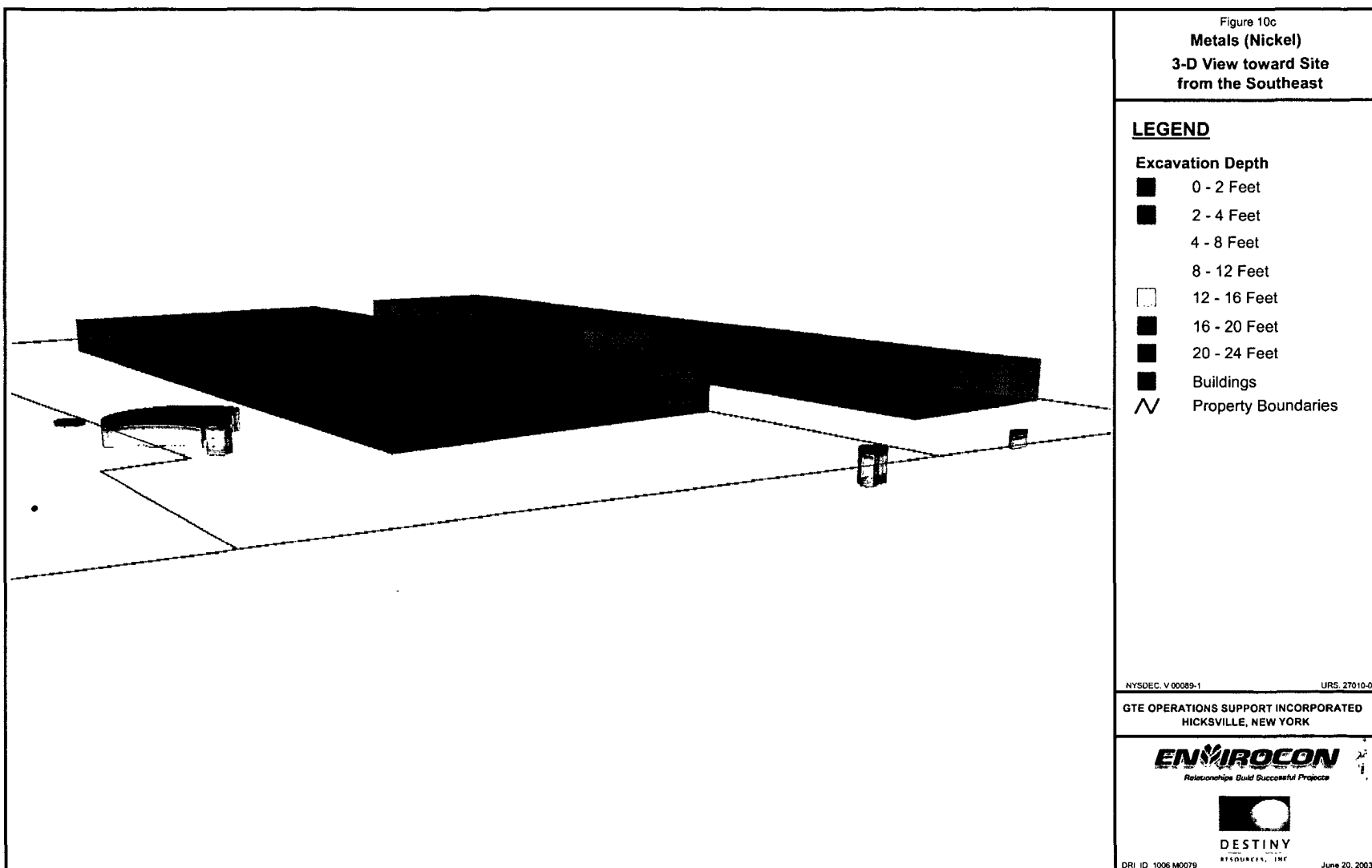


DESTINY
RESOURCES, INC.

DOI ID: 1008 M00715

June 20, 2003

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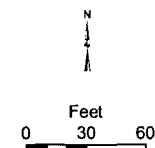
Figure 11a
Predicted Excavation Depth
All Analytes

LEGEND

- Borehole Locations
- Buildings
- Property Lines
- Area Outlines
- - - Overlap Area Boundaries
- - - Predicted Excavation Extent

Excavation Depth

- 2 feet
- 4 feet
- 8 feet
- 12 feet
- 16 feet
- 20 feet
- 24 feet



Projection Information
Stateplane Projection
Long Island Zone
North American Datum 1983
Feet

NYSDEC: V 00089-1

URS: 27010-039

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June 20, 2003

SYL00116439

Figure 11b

All Analytes

**3-D View toward Site
from the Southeast**

LEGEND

Excavation Depth

- 0 - 2 Feet
- 2 - 4 Feet
- 4 - 8 Feet
- 8 - 12 Feet
- 12 - 16 Feet
- 16 - 20 Feet
- 20 - 24 Feet
- Buildings
- ∨ Property Boundaries



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DRI ID: 1006 M0080

June 20, 2003

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APPENDIX A: QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

During the course of the project, field confirmation sampling will be performed using the quality assurance/quality control (QA/QC) protocols outlined within this section. These protocols have been developed specifically for the Site to consider each component of work that requires oversight and comparison to accepted QA/QC standards in light of industry-wide standards of care. The following sections outline these protocols and the methods to be used to provide verification that desired standards are achieved.

A.1. QUALITY ASSURANCE PROJECT PLAN

The Quality Assurance Project Plan (QAPP) used for the field remediation program was developed to support the Site sampling and analytical characterization. This QAPP can effectively be used to support the remediation efforts due to its ability to address both chemical and radioactive impacts. The QAPP is included in Appendix H. More information on proposed laboratory analytical methods is presented in Section A.3.

A.2. SAMPLING

Sampling during the remediation program will be performed to gauge the progress of remediation, as well as to confirm that cleanup goals have been achieved. While the QAPP will address sampling from the point of excavation through to packaging, shipping and analysis, other sampling protocols have been developed to define benchmarks for quality used in acquiring the samples.

Because the remediation work will involve excavations, sampling will rely mainly on grab samples of exposed soils. At locations of suspected VOC residuals, soil samples will be collected 6- to 12-inches beneath the surface. In general, the objective for sample recovery will be to acquire samples that are representative of Site conditions. Accordingly, this will require consideration of the media being sampled, the climatic conditions, and the data needed from the analysis.

A.3. ANALYTICAL CHARACTERIZATION / LABORATORY METHODS

Analytical characterization will be performed throughout the project subject to the laboratory characterization protocols defined by the QAPP. Accordingly, quality measures will be employed throughout the analytical characterization efforts.

Samples collected¹ will be submitted for analysis by *United States Environmental Protection Agency (USEPA) Methods with NYSDEC Analytical Services Protocol (ASP) June 2000*. Sample analyses will be performed in accordance with the *Methods for Chemical Analysis of Water and Waste, USEPA 600/4-83-020, Test Methods for Evaluating Solid Wastes, SW-486*. Select samples will be analyzed for VOCs (USEPA Method 8260B), nickel (USEPA Method 6010B), total percent solids (USEPA 2540-G), gamma spectrometry (EML Procedures Manual-United States Department of Energy (USDOE)-Health and Safety Laboratory Method (HASL) 300 4.5.2.3) and alpha spectrometry for thorium (National Academy of Science Method TH-NAS-NS-3004 or USDOE RP-725 Group Actinide Screening Using Extraction Chromatography (Eichrom)) and uranium (National Academy of Science Method U-NAS-NS)3050 or USDOE RP-725 Group Actinide Screening Using Extraction Chromatography (Eichrom)). Radionuclide analysis will be performed using Los Alamos National Laboratory (LANL) and USDOE Methods.

¹ Additional analysis may be collected at the discretion of field personnel.

A.4. BACKFILL TESTING

Future Site land-use will be commercial/industrial and thus necessitate sound foundation support for Site traffic or building construction. Therefore, backfill materials will be placed subject to appropriate compaction levels and subject to testing to ensure attainment of those levels. Sampling and analysis efforts will also be required on imported fill materials to support verification that the fill materials are clean. The number and frequency of samples will be determined based on the source and the type of soils imported.

A.5. DECONTAMINATION

Equipment and hand tools used during the project that may contact chemically or radioactively impacted media will be subject to rigorous decontamination processes to ensure that such impacts are removed and the residuals properly managed. Decontamination will be performed using the methods outlined previously and will be confirmed with using wipe samples. These wipe samples will be subject to analytical characterization to identify whether the chemical or radioactive impacts remain on the portions of the equipment exposed to the impacted media. The analytical characterizations used will be specific to the types of equipment and the type of potential impact.

Prior to release of equipment or tools from the Site, documentation of the decontamination results will be developed subject to an inventory tracking number. Equipment and tools used at the Site will be issued an inventory number to document the effectiveness of decontamination once remediation work has been completed. Documentation of the decontamination results will be logged.

A.6. MATERIALS HANDLING AND TRANSPORT

Wastes leaving the Site will be documented with respect to their composition and the degree of chemical or radioactive impacts that may be present. As noted in the waste management section, such shipments will be subject to landfill profiling and transport manifesting procedures specific to the type of waste being managed.

In addition to characterization and manifesting efforts, detailed screening will be performed within areas used for packaging of waste materials and at locations used for loading containers. This screening will be performed both prior to, and following completion, of waste handling activities. The purpose of this screening will be to confirm that no residual chemical or radioactive influences are present above requisite cleanup levels at the time the fieldwork is completed.

A.7. WELL ABANDONMENT

As part of the remediation program, selected monitoring wells may be subject to abandonment. If well abandonment is required, it will be conducted in accordance with the NYSDEC Groundwater Monitoring Well Decommissioning Procedures (NYSDEC 1996) along with NYSDEC oversight. Abandonment will be performed by a licensed well driller and will be documented to validate that the work performed conforms to applicable standards.

A.8. CONFORMANCE WITH REGULATIONS

Throughout the project, work will be performed in conformance with this Work Plan and applicable State and Federal law. Accordingly, all facets of work will be subject to scrutiny by appropriate representatives from regulatory agencies.

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APPENDIX B



APPENDIX B: HEALTH & SAFETY PLAN

B.1 PROJECT OVERVIEW

B.1.1 Introduction

This Site-Specific Health and Safety Plan (HASP) establishes the health and safety procedures required to minimize potential risk to personnel who will participate in Site remediation activities at the Former Sylvania Electric Products Facility (the "Site") in Hicksville, New York. The objective of the remedial work is to remove residual areas of chemical, nickel, and radioactively impacted soils exceeding target cleanup levels. Remediation will provide for unrestricted use of the Site in accordance with local zoning provisions. Under this program, work will be performed in accordance with applicable local, State and Federal guidance, subject to input from key stakeholders (i.e. the general public and Site workers). Remedial activities will include building demolition, and excavation of materials impacted with radionuclides, hazardous chemicals, and nickel. The project efforts also include packaging and transportation of the waste materials and Site ground restoration.

This plan applies to GTE Operations Support Incorporated (GTEOSI) and its contractors, government agency representative, and visitors. The procedures in this plan have been developed based on the information collected during prior Site investigations. The procedures address the chemical, radiological, and physical hazards that are either known or anticipated to be encountered during remedial activities. If Site conditions or work activities vary from the Work Plan, amendments to this HASP will be made as necessary.

This HASP has been written to comply with the requirements of the Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120), as well as applicable regulations administered by New York State Department of Environmental Conservation (NYSDEC). All Site activities must be conducted in compliance with this HASP and applicable Federal, State, and local health and safety regulations. If conflicts exist between this document and the referenced standard, the standard that offers the most protection will govern.

Contractors and subcontractors will adhere to this HASP. This HASP will be made available to each employee who works at the Site. Each employee or Site visitor must report to the Site Safety Officer (SSO) and the Radiation Safety Officer (RSO) for a Site conditions/safety briefing prior to any Site activity. Each employee must sign a copy of the attached HASP sign-off sheet verifying knowledge and review of the information in the HASP.

Responsibility for the implementation of health and safety measures is an integrated effort among the Project Manager (PM), the Site Supervisor (SS), the Radiation Health and Safety Manager (RHSM), the SSO, the RSO, and each individual working on the Site. The RHSM is responsible for developing, interpreting and modifying the HASP. When required, the RHSM is also responsible for auditing the project to verify compliance with the HASP. In consultation with the RHSM, the SSO has the authority to correct all health and safety deficiencies and to immediately stop work in cases where potential danger is perceived. The SSO is responsible for initiating emergency response and coordinating Site evacuation if necessary. The SSO will maintain a daily sign-in log and head count logs during excavation activities.

The PM is responsible for ensuring that this HASP is made available to all members of the field team. The PM is responsible for collecting the necessary training and medical documentation from subcontractors as well as the HASP sign-off sheets from the field team.

All personnel on-Site are responsible for abiding by the health and safety procedures listed in this HASP and for maintaining their personal safety equipment. Any person who does not adhere to the provisions of this HASP will be denied access to the Site.

B.1.2 Site Description

Today the Site is comprised of three lots: the 70 Property, the 100 Property, and the 140 Property (identified as Lot 94, Lot 99 and Lot 100). Approximately 95 percent of the 9.5-acre Site is either paved or occupied by buildings.

70 Property

The 70 Property, located on the southern portion of the Site, consists of an approximate 79,210-square foot (ft²) one-story brick building and the associated land. The portion of the Property not occupied by the building is paved and used for parking and storage. This Property was purchased by its current owner in 1979, and was expanded to the east after adjacent land (Lot 105) was purchased from Nassau County. The western portion of the building is the only original building (historically Building #4) that remains, as the other original buildings have been demolished.

100 Property

The 100 Property is centrally located on the Site and consists of the fenced area enclosing an 80,100-ft² two-story distribution building and paved parking lots. Two underground petroleum tanks are on the south side of the building.

140 Property

The 140 Property is on the northern portion of the Site, immediately south of the Nassau County Department of Public Works (NCDPW). The Property houses an approximate 54,500-ft² one-story office and industrial building. The Property is primarily paved with the exception of a small area on the east side that abuts the Nassau County Parks Department Golf Course Driving Range (GCDR).

Surrounding Land Use

The Site is bounded by the NCDPW to the north. The GCDR is to the east. The Property formerly owned by General Semiconductor, a Class 2 State listed inactive hazardous waste Site is south of the Site. Cantiague Rock Road and commercial and industrial properties are to the west.

B.1.2.1 Site History

From 1952 to 1970, the Site was operated for the fabrication of reactor fuel elements, as well as high temperature coatings and composite alloys for space and aircraft industries. Records indicate that Sylvania operated the three main buildings, designated as buildings #1, #2, and #4, and twelve support buildings under license #SNM-82 (for fuel rod fabrication) issued from the Atomic Energy Commission (AEC) (NRC 1996). Buildings #1 and #2 on Lot 80 already existed when Sylvania first occupied the Property in 1952. Sylvania acquired the remainder of Lot 79 in 1957; and constructed building #4. A

plan view of the current Site layout with the overlay of the 1960 structures is provided as Figure 3 of the Work Plan.

The former Sylvania Plant fabricated reactor fuel elements and high temperature protective coatings used in research and electric power generation. The plant had two production facilities, one for the manufacture of commercial-type fuel elements and the other for the government manufacture of special elements and reactor materials. Manufacturing processes included the:

- Melting of enriched uranium-molybdenum and enriched uranium-aluminum in graphite and ceramic crucibles in vacuum furnaces;
- Sintering of uranium oxide-powdered stainless steel and rolling of uranium-stainless steel billets in hydrogen atmosphere furnaces;
- Applying high temperature protective coatings to the exhaust skirts of rockets and larger aerospace parts using a vacuum diffusion-coating furnace;
- Iso-static pressing of uranium pellets-aluminum tubing involving argon gas; and
- Chemical cleaning of products involving hot and cold acid, caustics, solvents, water and anodizing solutions in cleaning tanks, hoods, and degreasing stations.

Liquid wastes were generated from both the coolant used for the fabrication of equipment and the chemical cleaning baths. The coolant was dried and the resulting sludge burned to salvage the uranium. Sylvania discharged non-contact cooling water for equipment into a leaching pool. Some waste products were sent off-Site for disposal (greater than 5 grams per liter (g/l) uranium) while other process residuals were disposed of in on-Site recharge basins, leaching pools, or cesspools (circa 1959). In the mid-1960's, effluent was discharged to four sumps that were pumped to a Site dry well.

With the sale of the Sylvania Nuclear Division's equipment, tooling, and license assets to National Lead Industries in 1966, the production of nuclear fuel elements and components at the facility ceased. In 1967 the AEC removed the Site from licensing requirements due to cessation of nuclear product production activities. The Sylvania Parts Division continued Site operations until 1969.

The buildings were demolished in 1968 and 1969 with the exception of Building #4, which exists on the 70 Property. This building was decommissioned in accordance with applicable regulations and the released for unrestricted use by the New York State Department of Labor (NYSDOL) in 1967. According to a letter from Rita Aldrich of the NYSDOL to Barbara Youngberg of NYSDEC dated March 21, 1997, Building #4 was reviewed by ORNL in December 1995, who found that "the building was suitable for unrestricted use according to present limits." Further, the letter indicates that NYSDOL made readings in January 1996 and found no readings above background. Before the construction of the current buildings, the Property was subdivided into three new parcels with new lot numbers.

B.1.3 Project Description

Remedial efforts in the field will be directed toward the removal of impacted soils, debris, or other building materials. The excavation will be performed concurrently with a detailed on-Site screening, analytical testing, and documentation program. Following the removal of the materials, sampling will be performed to confirm that target cleanup levels in soil have been met. Scheduled project tasks include:

- Mobilization/demobilization;

- Survey;
- Utility markout;
- Soil screening;
- Manual soil sampling;
- Concrete sawing;
- Excavating;
- Equipment operations (fill, lift and move waste containers);
- Waste transportation to and loading onto rail cars; and
- Site restoration.

B.1.4 Health and Safety Responsibilities

B.1.4.1 Project Manager (PM)

The PM shall direct on-Site operations. The PM may delegate these responsibilities to the SS. The PM and SS, assisted by the SSO and the RSO, have primary responsibility to:

- a. See that personal protective equipment (PPE) and monitoring equipment is available and properly used by on-Site personnel;
- b. Document that Site personnel are aware of the provisions of this plan, are instructed in the work practices necessary to ensure safety, and are familiar with planned procedures for dealing with emergencies;
- c. Document that all on-Site personnel have completed a minimum of 40 hours of HAZWOPER training, have appropriate medical surveillance and have been fit tested for a respirator;
- d. Document that all on-Site personnel who will be working in areas that are suspected to contain chemical or radioactive materials have received training appropriate to their duties;
- e. Ensure that Site personnel are aware of the potential hazards associated with Site operations;
- f. Monitor the safety performance of all Site personnel to see that the required work practices are employed;
- g. Correct any work practices or conditions that may result in injury or unnecessary exposure to hazardous chemicals or radioactive materials;
- h. See to the completion of the Safety Plan Compliance Agreement forms by all Site personnel; and
- i. Stop Work, if necessary, in the event of an emergency or to correct unsafe work practices.

B.1.4.2 Project Radiation, Health and Safety Manager (RHSM)

The RHSM has the primary responsibility to:

- a. Implement this project HASP and report any deviations from the anticipated conditions described in these documents to the PM. Primary implementation is through supervision of two safety individuals on the project: the SSO and the RSO. Responsibilities of these individuals are specified in subsequent sections.
- b. Ensure that a copy of this HASP is available on-Site at all times.
- c. Review monitoring results, observe trends in personnel and workplace monitoring results, and evaluate the need for increases in PPE or modified work procedures associated with previous and current exposure results.
- d. Maintain the project OSHA 200 Form, "Log and Summary of Occupational Injuries and Illnesses" for use in internal and reporting requirements.
- e. Maintain all environmental, safety, health and radiological control records until relinquished to GTEOSI upon project completion.

B.1.4.3 Site Safety Officer (SSO)

The SSO has the primary responsibility to:

- a. Conduct hazardous contaminant monitoring. Ensure that monitoring equipment is calibrated, checked, and used in accordance to the Operating Procedures and the manufacturer's instructions, and that results are documented.
- b. Verify that project personnel have current medical and training authorizations.
- c. Assume additional safety duties as directed by the PM, SS, or RHSM.
- e. Coordinate with the RHSM and the subcontractor's occupational medicine support group to identify personnel for whom specific PPE or exposure monitoring may be required or desirable.
- f. Conduct and document daily safety briefings.
- g. Assist the PM in the development of work permits and posts such permits prior to the start of field operations.
- h. Provide ongoing review of the protection levels required as project work is performed and to inform the PM of the need to upgrade/downgrade levels as appropriate.
- i. Maintain a daily log of Site access, a record of personnel activities, monitoring performed, exposure results, radiological exposure results, and incidents.
- j. Ensure that appropriate decontamination procedures are performed.
- k. Stop work, if necessary, in the event of an emergency or to correct unsafe work practices.
- l. Serve as the Project Local Emergency Coordinator to effectively evacuation of the Site or work area if necessary.

B.1.4.4 Radiation Safety Officer (RSO)

The RSO has the primary responsibility to:

- a. Conduct radiation monitoring.
- b. Ensure that radiological monitoring equipment is calibrated and properly used by project personnel in accordance with the manufacturer's instructions, and that the results are properly recorded and filed.
- c. Assist the SSO in developing radiological work procedures prior to the start of work.
- d. Ensure that all Site personnel use personal dosimetry, and maintain accountability for all assigned devices and the records generated from use.
- e. Ensure that PPE is worn by Site personnel.
- f. Assist with radiological monitoring for skin and inner clothing contamination after Site personnel have performed PPE doffing procedures.
- g. Implement engineering controls and As Low As Reasonably Achievable (ALARA) principles (time, distance, and shielding techniques or contamination control strategies)
- h. Document non-conformance, accidents, or incidents.
- i. Maintain the radioactive sources used for instrument calibration. Notify the PM in the event of any loss of radioactive material.

B.1.4.5 Project Personnel

Project personnel are responsible for:

- a. Taking precautions to prevent injury to themselves and to their fellow employees, including stopping work and notifying supervisors when conditions or operations appear to present a hazard.
- b. Performing only those tasks they believe they can do safely, and immediately reporting any accidents and/or unsafe conditions to the safety personnel, operational supervisor or PM.
- c. Implementing the procedures in this HASP, and reporting any deviations to safety personnel, operational supervisor or PM.
- d. Notifying the corporate physician or SSO of any medications, allergies, or special medical problems that could affect job performance.
- e. Attend Site safety briefings, participate in work planning discussions and evolution critiques, and adhere to the procedures specified in the Site safety briefing.
- f. Adhering to the workplace substance abuse guidelines.

- g. Reviewing this project HASP and signing the acceptance form(s).

The following table provides the key project positions and associated responsibilities.

Table B-1: Key Project Positions and Associated Responsibilities

Position	Responsibilities	Interactions
Project Manager(s) -technical -administrative	Responsible for technical and administrative performance of the project to ensure conformance with the scope reviews, progress, schedules, expenditures, and budget	Interacts closely with RSO, SSO, and RHSM
Site Supervisor	Coordinates daily work efforts and ensures activities are in compliance with the HASP. Provide project overview, assigns Site personnel to applicable tasks, and maintains consistency of technical approach. Briefs personnel on task requirements. Identifies and resolves technical problems. Provides periodic review of the project progress.	Interacts with PM and project workers
Radiation, Health and Safety Manager	Define, develop, implement, and enforce the on-Site safety program. Conducts periodic audits to ensure compliance and discusses project progress and health and safety related issues with PM and SS.	Interfaces with PM, SS, RSO, and SSO
Site Safety Officer	Assures compliance with HASP. Conduct daily pre-work meeting. Performs any monitoring activities as required. Evaluates monitoring data to make field decisions regarding health and safety. May discontinue Site operations and evaluate the Site if safety violations exist.	Reports directly to RHSM. Interacts closely with PM, SS and RSO
Radiation Safety Officer/ Health Physics Technician(s)	Performs radiological monitoring activities as required. Evaluates monitoring data to make field decisions regarding health and safety. Performs field screening of air and soil samples.	Reports to RHSM. Interacts closely with PM, SS and SSO
Individual Site Workers	Perform tasks safely, and reports any accidents or unsafe conditions to the safety personnel, operational supervisor or PM	

B.2 HAZARD ASSESSMENT

The radiological, chemical, and physical hazard assessments apply only to the activities covered by this HASP.

B.2.1 Radiological Hazards

Radionuclides at the Site include thorium-230/232 and uranium-234/235/238 and their decay progenies. These radionuclides are primarily alpha-radiation emitters. Therefore the predominant hazard to the Site worker is ingestion or inhalation of the materials.

Uranium has been identified as a nephrotoxic metal (kidney toxicant), exerting its toxic effects by chemical action mostly in the proximal tubules of the kidney in humans and animals. The kidneys normally have the ability to compensate for nephron-loss. For example, chronic renal failure occurs when there is around 60% nephron loss. During the gradual loss of functioning nephrons, the remaining nephrons appear to adapt, increasing their capacity for filtration, reabsorption, and excretion.

Uranium is a less potent nephrotoxin than the classical nephrotoxic metals such as cadmium, lead, and mercury, and at the concentrations observed on Site nephrotoxic effects are not expected to occur. Procedures and equipment used to protect site workers from the radiological aspects of uranium exposure also will be effective in protecting workers from the chemical toxic aspects.

Minimizing ionizing radiation hazards to project personnel will be governed by ALARA. To achieve this goal, a clear understanding of the characteristics and effects of ionizing radiation should be attained by all project personnel. Individuals will attend the Site-specific radiation safety training identified in Attachment 1, *Basic Radiation Safety Training*, which provides explanations of the different types of radiation, their effects, exposure standards, methods for reducing the hazards and working safely with radioactive materials. A copy of *Basic Radiation Safety Training* is attached to this appendix.

B.2.2 Chemical Hazards

Chemicals exceeding cleanup levels include tetrachloroethene, trichloroethene, and nickel have been detected on the Site. Contaminant concentrations in soil are expressed in milligrams per kilogram (mg/kg) or in micrograms per kilogram (ug/kg) which are equivalent to parts per million (ppm) and parts per billion (ppb), respectively. Contaminant concentrations in water are expressed in milligrams per liter (mg/l) or in micrograms per liter (ug/l) which are equivalent to ppm and ppb, respectively. Air concentrations are expressed in milligrams per cubic meter (mg/m³).

Site-specific chemical exposure assessments were conducted. Based on the results of the assessments, it is unlikely, that Site workers will be exposed to chemicals above the OSHA Permissible Exposure Limit (PEL). The applicable OSHA PEL values are provided in Table B-2.

TABLE B-2: CHEMICAL HAZARDS AND LIMITS

CONTAMINANT CAS#	OSHA PEL*	OSHA CEILING/STE L	NIOSH REL	ACGIH TLV*	ACGIH STEL/C
CARBON MONOXIDE 630-08-0	50ppm	N/A	35ppm	25ppm	N/A
TETRACHLOROETHENE 127-18-4	100ppm	200ppm (C) 300ppm (max)	Ca LFC	25ppm	100ppm
TRICHLOROETHENE 79-01-6	100ppm	200ppm (C) 300ppm (max)	Ca LFC	50ppm	100ppm
ARSENIC †† 7440-38-2	0.01mg/m³	N/A	0.002mg/m³ (C)	0.01mg/m³	N/A
BARIUM(soluble) 10361-37-2	0.5mg/m³	0.5mg/m³	n/a	0.5mg/m³	N/A
BERYLLIUM †† 7440-41-7	0.002mg/m³	0.005mg/m³(C) 0.025mg/m³max	0.0005mg/m³ (max)	0.002mg/m³ (0.0002mg/m³)**	0.01mg/m³ ST
CADMIUM †† 7440-43-9	0.005mg/m³	(9mg/m³ IDLH)	Ca LFC	0.01mg/m³ 0.002mg/m³(cpds)	N/A
CHROMIUM (+3)† 7440-47-3	0.5mg/m³	N/A	0.5mg/m³	0.5mg/m³	N/A
CHROMIUM (+6)†† (Insoluble)	LFC N/A	0.1mg/m³(C) N/A	0.001mg/m³ N/A	0.05mg/m³ (0.01mg/m³)	N/A
LEAD 7439-92-1	0.050mg/m³	N/A	0.10mg/m³	0.050mg/m³	N/A
NICKEL† (metal) (sol.cpds) (insol.cpds) 7440-02-0	1mg/m³	N/A	0.015mg/m³	1.5mg/m³ 0.1mg/m³ 0.2mg/m³	N/A

All others are 8-hour time weight average exposure (NIOSH RELs are for 10-hour TWAs unless other noted).

** - Intended Change.

† - Potential human carcinogen.

†† - Confirmed human carcinogen.

^ - Vapor

C - Ceiling limit (should not be exceeded at any time).

ACGIH - American Conference of Governmental Industrial Hygienists.

CAS - Chemical Abstract Service

LFC - Lowest Feasible Concentration.

OSHA - Occupational Safety and Health Administration.

PEL - Permissible Exposure Limit.

NIOSH - National Institutes for Occupational Safety and Health.

REL - Recommended Exposure Limit.

STEL - Short-Term Exposure Limit (15 minute).

SKIN - Significant exposure possible via skin absorption.

TLV - Threshold Limit Value.

IDLH - Immediately Dangerous to Life and Health.

B.2.2.1 Volatile Organic Compounds (VOCs)

B.2.2.1.1 Tetrachloroethene

Tetrachloroethene (PCE) is a colorless non-flammable liquid with a chloroform odor. Routes of exposure include inhalation, ingestion, and dermal contact. Symptoms of exposure include irritation of the eyes and mucous membranes, fatigue, weakness, confusion, dizziness, and a headache, as well as depression of the central nervous system. The organ of impact is the liver.

B.2.2.1.2 Trichloroethene

Trichloroethene (TCE) is a colorless non-flammable liquid with a chloroform odor. Routes of exposure include inhalation, ingestion, and contact. Symptoms of exposure are irritation of the eyes and mucous membranes, and headache, as well as depression of the central nervous system. Trichloroethene damages the liver.

B.2.2.2 Metals

Select metals were previously detected in Site soils. The metals characteristics and toxicity are discussed below.

B.2.2.2.1 Arsenic

Arsenic is a (ubiquitous) metal that is naturally found in soils. Arsenic is most commonly identified in a trivalent (+3) or pentavalent (+5) state. Most industrial arsenic is used in its trivalent state while natural arsenic is in its pentavalent state. Arsenic is a natural constituent of food. Arsenic compounds are used in veterinarian practice and agriculture. Arsenic is a by-product of coal combustion. Arsenic compounds may be toxic by ingestion or inhalation. The trivalent forms of arsenic are more toxic than pentavalent forms. Arsenic accumulates in the liver, muscle tissue, hair, nails, and skin. The symptoms of acute inorganic arsenic toxicity include burning and dryness of oral and nasal cavities, gastrointestinal disturbance, muscle spasms, vertigo, delirium (dizziness), and coma. Swelling of the face and eyelids also occur. Chronic arsenic toxicity is characterized by malaise and fatigue. Pale bands on the fingernails and toenails and hyperpigmentation and peripheral neuropathy may also occur. Nasal septum ulceration is seen after long periods of industrial exposure. Arsenic can be detected in hair, nails, and urine long after exposure situations are eliminated. Industrial and agricultural exposure to arsenic has been related to skin and respiratory tract cancer.

B.2.2.2.2 Barium

Barium is usually found as barium chloride, barium nitrate, or barium sulfate (occurs in nature). Barium is a white, odorless solid. Symptoms of barium exposure include eye, skin, and upper respiratory irritation, skin burns, gastroenteritis, muscle spasm, slow pulse, extrasystoles, and hypokalemia (potassium deficiency).

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B.2.2.2.3 Beryllium

Beryllium is a hard, lightweight, brittle, gray-white solid. Chronic beryllium exposure causes an allergic pneumoconiosis called beryllosis, symptoms of which include anorexia, weight loss, weakness, chest pain, cough, clubbing of fingers, cyanosis, and pulmonary insufficiency. Other symptoms of beryllium exposure include eye irritation, and dermatitis. NIOSH considers beryllium to be an occupational carcinogen.

B.2.2.2.4 Cadmium

Cadmium is a silver-white, blue-tinged lustrous, odorless solid. It is a noncombustible solid, however it will burn in powder form. Cadmium has a melting point of 610°F. Cadmium is used in battery manufacture. Symptoms of cadmium exposure include pulmonary edema, dyspnea, cough, chest tightness, substernal pain, headache, chills, muscle aches, nausea, diarrhea, anosmia (loss of sense of smell), emphysema, proteinuria, and mild anemia. Cadmium causes lung and prostate cancers.

B.2.2.2.5 Chromium

Chromium is a metallic element that is hard, brittle, and gray in color. The chromium ion forms many compounds that vary in color. Chromium may exist in one of three valence states: divalent (+2), trivalent (+3), or hexavalent (+6). The hexavalent chromium compounds such as chromic acid and its salts-chromates are more toxic than the other valence states. Hexavalent chromium is a confirmed human carcinogen, while monochromates and dichromates are non-carcinogenic. Hexavalent compounds are irritants and corrosives that enter the body through inhalation, ingestion, and skin absorption. Trivalent, divalent, and elemental chromium enter the body through inhalation and ingestion. In some individuals, chromium compounds act as allergens with skin dermatitis reported, while other forms corrode skin and mucous membranes. Acute exposure to dust or mist containing hexavalent or trivalent forms of chromium (Cr^{+6} or Cr^{+3}) may cause coughing, wheezing, headache, fever, and chest pain. Respiratory irritation and edema may persist. Chromic acid mists and chromate dusts may cause severe irritation of the nose, throat, bronchial tubes, and lungs. Long-term or repeated exposure may cause ulceration/perforation of the nasal septum; respiratory irritation with asthma-like symptoms; skin rashes or allergic dermatitis.

B.2.2.2.6 Lead

Lead is a bluish gray, soft metal. When lead is ingested, much of it passes through the body unabsorbed, and is eliminated in the feces. The greater portion of the lead that is absorbed is caught by the liver and excreted, in part, in bile. For this reason, larger amounts of lead and longer exposure periods are necessary to cause toxic effects by ingestion. However, upon inhalation, absorption takes place easily from the respiratory tract and symptoms tend to develop quickly. Therefore, inhalation is a more important potential route of exposure. Inhalation or ingestion of lead is known to cause neurological, blood, liver, and kidney disorders. Symptoms of exposure include decreased appetite, insomnia, headache, muscle and joint pain, colic, and conjunctivitis.

B.2.2.2.7 Nickel

Nickel is principally found in ores containing iron or copper. Nickel has been mainly used in electronics, coins, steel alloys, batteries, food processing, and stainless steel. Dermatitis is the most frequent effect of exposure to nickel.

B.2.2.2.8 Carbon Monoxide

Carbon Monoxide is a colorless, odorless gas, which acts as an asphyxiant by binding itself to hemoglobin molecules. Because carbon monoxide binds to hemoglobin better than either oxygen or carbon dioxide, the affected red blood cells are ineffective at oxygen exchange. Carbon monoxide is a component of landfill gas and is also formed by the incomplete combustion of motor fuels, such as gasoline.

B.2.2.2.9 Hazardous Materials Brought On-Site

Material safety data sheets (MSDS) for chemicals used during the remedial activities will be available on-Site. All containers of hazardous materials brought onto the Site must be clearly marked in accordance with OSHA Hazard Communication Standard. MSDS must be presented for any hazardous materials brought on-Site.

B.2.3 Physical Hazards

The following list of potential physical hazards have been identified for the planned Site activities:

- Heavy Equipment;
- Exposure to Noise and Vehicles;
- Electrical Hazards;
- Slip, Trip, and Fall Hazards;
- Illumination;
- Concrete Saw;
- Hand Tools;
- Pneumatic Tools;
- Cutting and Welding;
- Excavations;
- Lightning;
- Drum Handling; and
- Heat or Cold Stress.

B.2.3.1 Heavy Equipment and Vehicles

The use of heavy equipment will require all personnel in the immediate work area to wear hard hats and steel-toed footwear in addition to personal protective equipment (PPE) required for performing work activities in the work area. No person shall walk underneath a piece of equipment when it is carrying a load, or if it is transporting materials to another area. In addition, Site workers must pay attention to automobile traffic in the parking lot areas during the lunch hour and at the end of day

The following guidelines should be adhered to when working around heavy equipment (front end wheel loaders, backhoes, rollers, bulldozers, etc.) and heavy materials:

- Hardhats are to be worn at all times on-Site. Other protective gear as specified in this HASP is applicable as well.

- Obtain visual contact with the equipment operator before passing into the swing radius or other danger zones.
- Establish hand signal communication when verbal communication is difficult. Determine one person per work group to give hand signals to equipment operators.
- Be cautious of solid footing at all times.
- Heavy equipment should have backup alarms of some type.
- Only qualified people are to operate heavy equipment.
- Use proper chains, hoists, straps, and any other equipment to safely move heavy materials. Tow chains are not to be used for lifting.
- Use proper personal lifting techniques. Use your legs, not your back.
- Do not walk directly in back of or to the side of heavy equipment without the operator's eye contact.
- Do not use a piece of equipment unless you are familiar with its operation. This applies to heavy and light equipment.
- Pipe sections and other materials to be utilized during this project will be heavy. Make sure all precautions have been taken prior to moving materials. Use equipment to move objects that are awkward or heavy.
- Be sure no underground or overhead power lines, electrical conduit, sewer lines, gas lines, water lines, telephone lines, or other utilities will present a hazard in the work area.
- Get information whenever you are in doubt about a material's weight.
- Use the buddy system.
- All heavy equipment will be secured/stored at zero energy potential (all hydraulics at rest, buckets locked or on ground, etc.) when not in use.

B.2.3.2 Exposure to Noise

Exposure to occupational noise in the construction industry is regulated by 29CFR 1926.52. The standard requires protection from the effects of noise exposure to be provided when exposures exceed 90-dBA for an 8-hour day. Exposure to impact or impulse noise should not exceed 115-dBA peak sound pressure level. Exposure to noise may result in the following:

- Temporary hearing losses where normal hearing returns after a rest period;
- Interference with speech communication and perception of auditory signals;
- Interference with the performance of complicated tasks; and

- Permanent hearing loss due to repeated exposure resulting in nerve destruction in the inner ear.

Noise monitoring may be performed to evaluate when and during what activities hearing protection will be required and to determine the appropriate noise reduction rating (NRR) that the protection must provide. The major points of the program include:

- A sound meter capable of reading on the A-weighted scale (dBA) will be used on-Site in situations where noise levels approach the action level. This meter will be used as an initial check when operations are begun using noise-producing equipment (e.g., gasoline-powered generator), and for periodic evaluation, thereafter.
- When continuous and impact noise levels may exceed 85 dBA, personnel in the vicinity of operating equipment will wear hearing protection (aural inserts or muffs) until data is available that indicates hearing protection is not necessary.
- Personnel will wash their hands prior to inserting ear plugs to avoid initiating ear infections.
- A rule of thumb is, if it is necessary to raise one's voice to be heard by another person when standing three feet apart, then hearing protection is required.

B.2.3.3 Electrical Hazards

Ground fault circuit interrupters will be used on all portable, electrically operated equipment. Equipment (i.e. backhoes, cranes, man lifts, etc.), which has the potential to come in contact with overhead power lines, shall not be positioned or operated within 10 feet of energized power transmission lines. Equipment and power lines with a potential electrical exposure will be verified, locked, and tagged as being out of service. This will be accomplished before any dismantlement operations are initiated. All lines must be traced to the main electrical panel or nearest junction box to confirm the lines have been de-energized.

The SSO is responsible for identifying any equipment or systems requiring lockout/tagout (LO/TO) protection when specific pieces of equipment are brought onto the work Site. At that time, LO/TO procedures specific to the equipment will be developed, and the SSO will cover the requirements with project personnel in safety briefings.

Lockout/tagout is required during activities such as constructing, installing, setting up, adjusting, inspecting, modifying, and maintaining or servicing equipment connected to an energy source such as electricity, pressure or steam. These activities include lubrication, un-jamming equipment, or changes in equipment or procedures where an employee may be exposed to unexpected startup or energy releases. A lockout/tagout procedure is not necessary for routine operations of a mechanized device.

- All personnel must comply with lockout/tagout requirements and Site managers and the SSO must enforce the use of locks/tags to ensure protection where unexpected energizing may occur.
- When equipment is lockable, use of a lock is required by all exposed personnel. Where equipment is not lockable, tagout application or special lockout/tagout procedures shall be used as specified by the SSO.

B.2.3.4 Slip, Trip and Fall Hazards

Employees will be aware of slip, trip, and fall hazards on-Site and discuss at the daily tailgate safety meeting. The presence of heavy equipment requires all personnel on-Site to wear steel-toed footwear and hard-hats. Personnel in the immediate work vicinity should maintain a safe distance from operating machinery. Also, during any decontamination in Level C PPE, it may be possible that the floor is slippery, surfaces unreliable, debris present, and wet or dusty areas exist. Additional on-Site slip, trip, and fall hazards include aboveground piping, loose stone, existing landfill side slopes, existing access roads, and existing active landfill area. All personnel should be aware of the variability of the work surface in their work area. Every attempt will be made to prevent accidents due to slips, trips, and falls by thorough review of the daily tasks and Site conditions during the morning tailgate safety meeting.

Adjacent to the eastern property boundary is a golf course driving range. During construction activities, workers should be aware of stray golf balls hit onto the Site, and golf balls lying on the ground at the Site. Workers should take extra precaution not to trip or twist an ankle on a golf ball.

B.2.3.5 Illumination

If work takes place during other than daylight hours, or in confined spaces where there is insufficient natural light, work areas will be lit to provide each activity illumination in accordance with the requirements of 29CFR 1910.120(m).

B.2.3.6 Concrete Sawing (walk-behind and/or demo saw)

Concrete sawing using walk-behind and/or portable gas-powered saws will occur on this project. Hazards associated with the use of the concrete saw include:

- Exposure to noise levels in excess of the PEL.
- Cuts and lacerations when operating the saw.
- Injuries from improper ergonomic techniques.
- Pinch and nip point injuries.
- Release of contaminants to the environment
- Fires or sparks from friction heated blade

Only properly trained workers are to use saws on the project. Saws must be maintained with all critical guards and safety devices intact and functioning. In addition to standard PPE, the following PPE will be used:

- Respirator with P100 filters;
- Face Shield;
- Hearing Protection; and
- Leather Work Gloves.

B.2.3.7 Hand Tool Use

A variety of hand and power tools will be used during this project. This includes, plate tampers, jumping jacks, cut-off saws, chain saws, and other electrical and combustion-powered equipment. Prior to use of any equipment, the operator ensure knowledge of proper operation either by receiving instructions or reading manufacturer's operating manual. All operators will be required to demonstrate proficiency in tool operation to the SSO. Prior to each day's use, all guards, governors, and protective devices will be checked. Proper PPE for specific tools that may be required in addition to standard Level D or Level C PPE will be assigned by SSO and used. This may include a face shield, chaps, and metatarsal or foot guards. Loose clothing will not be worn when using power tools. All electrical hand tools shall be approved double-insulated or properly grounded, and used only with ground fault circuit interrupters.

B.2.3.8 Pneumatic Tools

Pneumatic power tools shall be secured to the hose or whip in a positive manner to prevent accidental disconnection. Safety clips shall be securely installed and maintained on impact tools. The manufacturer's safe operating pressure for all fittings shall not be exceeded. Proper PPE as determined by the SSO will be used for all such operations. The SSO will review operations and determine additional PPE requirements, if necessary.

B.2.3.9 Excavations

Excavation to depths greater than or equal to 4 feet and trenching will be conducted. The trench boundaries will be delineated by caution tape and/or barriers. An excavator will straddle the centerline of the trench and dig down to the depths provided in the Contract Drawings. Typically, the spoils will not be adjacent to the trench but loaded directly into bulk waste containers and any contaminated water will be channeled to flow back into the trench for collection. Initially, sloping back the sides of the trench to an angle of repose of 1:1.5 or gentler, use trench boxes, or use stabilization walls (i.e., sheet pile). The installation of geotextile and bedding material will not require entry of personnel into the trench. In the event hazardous materials are encountered, work will be halted, and the SSO and/or RSO will be notified. All parties will assess the situation, and work will proceed in accordance with the appropriate hazardous/radiological work procedures.

B.2.3.10 Lightning

Lightning strikes during field activities will require consideration to address the enclosure constructed over the work area. In the event of lightning strikes within the area, field personnel will be evacuated from aerial locations. Personnel within the enclosure will be protected by grounding the enclosure in accordance with manufacturer recommendations and the Uniform Building Code.

B.2.3.11 Buried Drum Handling

If buried drums are encountered, work will stop to determine whether the drums are empty or filled, intact or fragmented. Intact, filled drums will be handled, stored, sampled, and disposed in accordance with appropriate requirements. Empty or fragmented drums will be crushed, moved and placed within the waste staging areas. It is not anticipated that buried drums will be encountered on this project.

B.2.3.12 Heat/Cold Stress

Since Site work is to be conducted during the summer months, heat stress is a concern to the health and safety of personnel. Cold stress procedures are not anticipated to be required. Cold stress procedures submitted in previous HASPs are available if needed.

In temperate periods, wearing PPE puts a worker at a considerable risk of developing heat stress. Heat stress can result in health effects ranging from heat fatigue to serious illness or death. Consequently, regular monitoring and other precautions are vital.

Sweating does not cool the body unless moisture is removed from the skin by evaporation. The wearing of PPE reduces the body's ability to eliminate large quantities of heat because the evaporation of sweat is decreased. The body's efforts to maintain an acceptable temperature become impaired.

Heat related problems include heat fatigue, heat rash, fainting, heat cramps, heat exhaustion and heat stroke. Heat rash occurs because sweat isn't evaporating, making the skin wet most of the time. Standing erect and immobile in the heat allows blood to pool to lower parts of the body. As a result, blood does not return to the heart to be pumped to the brain, and fainting may occur.

Heat cramps are painful spasms of the muscles due to excessive salt loss associated with profuse sweating. The loss of large amounts of fluid and excessive loss of salt results in heat exhaustion. The skin will be clammy and moist and persons exhibit extreme wetness, giddiness, nausea and headache.

Heat stroke occurs when the body's temperature regulatory system has failed. Skin is hot, dry, red and spotted. The affected person may be mentally confused and delirious. Convulsions could occur. **EARLY RECOGNITION AND TREATMENT OF HEAT STROKE ARE THE ONLY MEANS OF PREVENTING BRAIN DAMAGE OR DEATH.** A person exhibiting signs of heat stroke should be removed from the work area to a shaded area. The person should be soaked with water to promote evaporation. Fan the person's body to increase cooling, and **GET MEDICAL ATTENTION IMMEDIATELY.** Increased body temperature and physical discomfort also promote irritability and a decreased attention to the performance of hazardous tasks.

Early Symptoms of Heat Related Problems:

- Decline in task performance
- Excessive fatigue
- Incoordination
- Insomnia
- Decline in alertness
- Muscle cramps
- Unsteady walk
- Dizziness

Susceptibility to Heat Stress Increases due to:

- Lack of physical fitness
- Obesity

- Lack of acclimation
- Drug or alcohol abuse
- Increased age
- Sunburn
- Dehydration
- Infection

People unaccustomed to heat are particularly susceptible to heat fatigue. First timers in Level D Modified PPE or higher need to gradually adjust to the heat.

Measures to Avoid Heat Stress:

- Establish work-rest cycles (short and frequent are more beneficial than long and seldom).
- Identify a shaded, cool rest area.
- Rotate personnel, alternative job functions.
- Water intake should be equal to the sweat produced. Most workers exposed to hot conditions drink less fluids than needed because of an insufficient thirst. DO NOT DEPEND ON THIRST TO SIGNAL WHEN AND HOW MUCH TO DRINK. For an 8-hour workday, 50 ounces of fluids should be consumed.
- Eat lightly salted foods or drink salted drinks such as Gatorade to replace lost salt.
- Save most strenuous tasks for non-peak hours such as the early morning or at night.
- Avoid alcohol during prolonged periods of heat. Alcohol will cause additional dehydration.
- Avoid double shifts and/or overtime.

The implementation and enforcement of the above mentioned measures will be the joint responsibility of the PM, SS, and SSO. Potable water must be available each day for the field team.

Heat stress monitoring will be performed for field activities where ambient (not adjusted) temperatures exceed 70° F for personnel wearing chemical protective clothing, including Tyvek coveralls, and 90° F for personnel wearing normal work clothes. The heat stress monitoring program requirements are detailed below.

Heat Stress Monitoring Program Requirements

- A. Monitor ambient temperatures and conduct Heat Stress Monitoring when threshold temperatures are reached:
 - 70° F for personnel wearing chemical protective clothing, and
 - 90° F for personnel wearing normal work clothes
- B. Conduct initial monitoring to determine first rest break.
 - 1. Measure the air temperature with a standard thermometer with the bulb shielded from radiant heat; this yields T (actual).
 - 2. Estimate the fraction of sunshine by judging what percent of the time the sun is not shielded by clouds that are thick enough to produce a shadow.

100% sunshine -	no cloud cover	= 1.0;
50% sunshine -	50 percent cloud cover	= 0.5;

0% sunshine - full cloud cover = 0.0.

3. Plug these variables into the following equation to determine the adjusted temperature:

$$T(\text{adjusted}) = T(\text{actual}) + (13 \times \text{fraction sunshine})$$

4. Use Table below to determine the length of the first work shift. At the first break, initiate the heart rate monitoring or body temperature monitoring as described below.

INITIAL WORK/MONITORING CYCLES

ADJUSTED TEMPERATURE	NORMAL WORK CLOTHES	PROTECTIVE CLOTHING
90°F (32.2°C) or above	After each 45 minutes of work	After each 15 minutes of work
87.5°-90°F (30.8°-32.2°C)	After each 60 minutes of work	After each 30 minutes of work
82.5°-87.5°F (28.1°-30.8°C)	After each 90 minutes of work	After each 60 minutes of work
77.5°-82.5°F (25.3°-28.1°C)	After each 120 minutes of work	After each 90 minutes of work
72.5°-77.5°F (22.5°-25.3°C)	After each 150 minutes of work	After each 120 minutes of work

C. Body Temperature Monitoring

1. Monitor oral body temperature to determine if employees are adequately dissipating heat buildup. Ear probe thermometers which are adjusted to oral temperature are convenient and the preferred method of measurement.
2. Determine work/rest regimen as follows:
 - a) Measure (oral adjusted) temperature at the end of the work period.
 - b) If temperature exceeds 99°F., shorten the following work period by 1/3 without changing the rest period.
 - c) If temperature still exceeds 99.6°F., shorten the following work period by 1/3.
 - d) Do not allow a worker to wear impermeable PPE when his/her oral temperature exceeds 100.6°F.
 - e) Oral temperatures are to be obtained prior to the employee drinking water or other fluids.

D. Record monitoring results on Heat Stress Monitoring Form

B.2.4 Biological Hazards

B.2.4.1 Poisonous Plants

Poison ivy is a climbing plant with leaves that consist of three glossy, greenish leaflets. Poison ivy is present at the Site along the fence on the eastern property boundary of Lot 100 and the golf course driving range. Poison ivy has conspicuous red foliage in the fall. Small yellowish-white flowers appear in May through July at the lower leaf axils of the plant. White berries appear from August through November. Poison ivy is typically found east of the Rockies. Poison oak is similar to poison ivy but its leaves are oak-like in form. Poison oak occurs mainly in the south and southwest. Poison sumac typically occurs as a small tree or shrub and may be 6 to 20 feet in height. The bark is smooth, dark, and

speckled with darker spots. Poison sumac is typically found in swampy areas and east of the Mississippi. The leaves have 7 to 13 smooth-edged leaflets and drooping clusters of ivory-white berries appear in August and last through spring.

The leaves, roots, stems, and fruit of these poisonous plants contain an oil called *Urushiol*. Contact with the irritating oil causes an intensely itching skin rash and characteristic blister-like lesions. The oil can be transmitted on soot particles when burned and may be carried on the fur of animals, equipment, and apparel.

Proper identification of these plants is the key to preventing contact and subsequent dermatitis. Wear long sleeves and pants when working near poisonous plants. In areas of known infestation, wear Tyvek coveralls and gloves. Oils are easily transferred from one surface to another. Wash all contaminated clothing and equipment promptly. If you come in contact with poisonous plants, wash all exposed areas immediately with cool water to remove the oils. Some commercial products such as Tecnu's Poison Oak-Ivy Cleanser claim to further help with the removal of oils.

B.2.4.2 Tick-borne Lyme Disease.

Ticks are bloodsuckers, attaching themselves to warm-blooded vertebrates to feed. Deer ticks, which are associated with the transmission of Lyme Disease (ticks transmit the bacteria that causes the disease) are quite prevalent on Long Island. While it is unlikely that ticks will be encountered in the paved work areas on the Site, and while not all ticks carry the disease personnel should be aware of this hazard.

Personnel should carefully inspect themselves each day for the presence of ticks or any rashes. This is important since prompt removal of the tick can prevent disease transmission. Female deer ticks are about 1/4-inch in length and are black and brick red in color. Males are smaller and all black. Removal of the tick is important in that the tick should not be crushed and care must be taken so that the head is also removed. If the head is not completely removed or if the tick is allowed to remain for days feeding on human blood, a condition known as tick paralysis can develop, which is due to a neurotoxin that the tick apparently injects while engorging. This neurotoxin acts upon the spinal cord causing incoordination, weakness, and paralysis.

One characteristic symptom of Lyme Disease is a bulls-eye rash that develops around the bite Site. The rash appears in about 60-80% of all Lyme Disease cases. Contact your SSO immediately if you develop such a rash.

Tick season lasts from April through October; peak season is May through July. Wear light-colored clothing (easier to spot ticks) with long sleeves and make sure that shirts are tucked into pants and pants are tucked into socks or boots. Ticks have a tendency to crawl upwards. These procedures will make it more difficult for a tick to reach your skin. Studies have determined that repellents containing *DEET* as a main ingredient are most effective against mosquitoes and ticks. *DEET* can be directly applied to the exposed skin of adults and/or clothing. *Permanone* is another repellent; however, it can only be directly applied to clothing.

B.2.4.3 Spiders, Insect bites and stings

Field personnel should exercise caution when lifting covers off manholes or sumps, when removing ground or stockpile covers, or when disturbing wood, rock, or brush piles, etc., since insects and spiders are typically found in these areas. Spiders in the United States are generally harmless, with two notable exceptions: the Black Widow spider (*Latrodectus mactans*) and the Brown Recluse or violin spider (*Loxosceles reclusa*). The symptoms of such a spider bite are: slight local reaction, severe pain produced by nerve toxin, profuse sweating, nausea, painful cramps in abdominal muscles, and difficulty in breathing and speaking. Victims recover in almost all cases, but an occasional death is reported. The bite of a Black Widow spider is the more painful and often the more deadly of the two.

General first aid for poisonous insect bites includes:

1. Minor Bites and Stings
 - Cold applications.
 - Soothing lotions, such as calamine.
2. Severe Reactions
 - Give artificial respiration if needed.
 - Apply a constricting band above the injection-Site on the victim's arm or leg (between the Site and the heart). Do not apply tightly; you should be able to slip your index finger under the band when it is in place.
 - Keep the affected part down, below the level of the victim's heart.
 - If medical care is readily available, leave the band in place; otherwise, remove it after 30 minutes.
 - Apply ice contained in a towel or plastic bag, or cold cloths, to the Site of the sting or bite.
 - Give home medicine, such as aspirin, for pain.
 - If the victim has a history of allergic reactions to insect bites or is subject to attacks of hay fever or asthma, or if he or she is not promptly relieved of symptoms, call a physician or take the victim immediately to the nearest location where medical treatment is available. In a highly sensitive person, do not wait for symptoms to appear, since delay can be fatal.
 - In case of a bee sting, remove and discard the stinging apparatus and venom sac.

B.2.5 Task and Operation Hazards

Conducting intrusive Site activities present the potential for hazards. Work activities, hazards associated with the activity and the preventative measures are present in Table 3.

TABLE B-3: TASKS AND OPERATIONS HAZARDS

WORK ACTIVITY	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE MEASURES
Mobilization	Slips, Trips & Falls	Housekeeping, material storage. (29 CFR 1926.250)
	Eye, Face Injuries	Safety glasses/face shield. (29 CFR 1926.102)
	Electrical Shock	De-energize power lines, only double insulated or grounded power tools will be used. (29 CFR 1926.400, 401)
	Struck by or Against Equipment, Tools or Vehicles	Back-up alarms, spotter, reflective vests serving areas.

WORK ACTIVITY	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE MEASURES
		(29 CFR 1926.201, 600)
	Cuts or Lacerations	Proper gloves, PPE. (29 CFR 1910.132)
	Muscle and Back Sprains and Strains	Training on proper lifting technique
	Noise	Monitoring, engineering controls, and hearing protection. (29 CFR 1926.52)
	Poisonous Plants/Insects	PPE, training, and repellent.
Site Preparation	Underground Utilities	Location disconnect. (29 CFR 1926.400)
	Overhead power lines	De-energize, maintain clearance. (29 CFR 1926.400, 401)
	Caught in or Between Objects (Pinch Points)	Maintain safe distances, wear proper work gloves. (29 CFR 1926.301, 1910.132)
	Exposure to Airborne Contaminants	Air monitoring, PPE. (29 CFR 1910.1000, 120)
	Contact with Contaminated Soil and Water	PPE, splash protection. (29 CFR 1910.132, 1910.120)
	Noise	Monitor, hearing protection. (29 CFR 1926.52)
	Eye Injuries	Safety glasses, face shield. (29 CFR 1926.102)
	Thermal Stress	Training on symptoms, control measures.
	Poisonous Plants/Insects	PPE, training, and repellent.
Excavation	Fire Explosion, Cutting	Work permit, no smoking, monitor LEL fire protection equipment, proper PPE. (29 CFR 1926.150-154, 350, 352, 353)
	Confined Space	Monitor air, ventilate, permit procedures. (29 CFR 1910.146)
	Falling into Excavations	Barricade. (29 CFR 1926.202)
	Underground, Overhead Utilities, Powerlines	Disconnect, de-energize utilities, maintain safe distances, Hand Test Pit area. (29 CFR 1926.550, 651)
	Noise	Monitor, hearing protection. (29 CFR 1926.52)
	Exposure to Contaminated Soil, Water	PPE, air monitoring, dust control. (29 CFR 1910.120, 132)
	Cave-Ins	Proper shoring, sloping, ladders or stairs provided for access and egress. (29 CFR 1926.651)
	Confined Space Hazards	Permit procedures, training for confined space. (29 CFR 1910.146)
	Poisonous Plants/Insects	PPE, training, and repellent.
Backfilling	Slips, Trips, Falling into Excavations	Housekeeping, barricades secure areas. (29 CFR 1925, 1926.250, 202)

WORK ACTIVITY	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE MEASURES
	Struck by or Against Equipment	Backup alarms, reflective vests. (29 CFR 1926.600, 201)
	Contact With Contaminated Soils, Water	PPE, decon procedures, dust control. (29 CFR 1910.120, 132)
	Injuries From Falling Materials, Debris	Inspect all slings, chains, ropes prior to use, maintain safe distance. (29 CFR 1926.550)
	Confined Space Hazards	Monitor air, permit procedures. (29 CFR 1910.146)
	Noise	Monitor, hearing protection. (29 CFR 1026.52)
	Poisonous Plants/Insects	PPE, training, and repellent.

B.3 TRAINING REQUIREMENTS

B.3.1 General

All personnel performing intrusive work in areas on-Site covered by this HASP must have completed the appropriate training requirements specified in 29 CFR 1910.120(e). Each individual must have completed an 8-hour refresher-training course and/or initial 40-hour training course within the last year prior to performing any intrusive work on-Site. Also, on-Site managers and supervisors directly responsible for supervising individuals engaged in hazardous waste operations must have completed the specified 8-hour supervisors training course. At least one (1) person on-Site must have completed the supervisor's training course. Records will be maintained on-Site in the field offices that demonstrate all persons subject to the training requirements have actually met the requirements. The PM and SSO are responsible for verifying compliance of the project team and other parties subject to the training requirement.

At least one person qualified in First Aid and cardiopulmonary resuscitation (CPR) should be present during Site work.

Prior to the commencement of on-Site activities, a Pre-Construction On-Site Safety Meeting will be held to review the specific information and requirements of the approved HASP. HASP sign-off sheets will be collected at this meeting, and as new employees arrive on-Site. Safety refresher meetings will be conducted, as needed, throughout the duration of the project.

Site-specific training will include:

- Location of MSDS.
- Explanation of the approved HASP.
- Brief Site history.
- Special attention to signs and symptoms of overexposure to known and suspected Site contaminants.
- Health effects of Site contaminants.
- Air monitoring program description.
- Physical hazards associated with the project.
- Selection, use and limitations of available safety equipment.
- Personal hygiene and decontamination.

- Respirator face piece fit testing.
- PPE fitting to determine proper size for individuals.
- Site rules and regulations.
- Work zone establishment and markings.
- Site communication and the "Buddy System".
- Emergency preparedness and evacuation procedures.
- Decontamination activities.
- Medical monitoring procedures.
- Contingency Plan.
- Confined Space Entry and Permits.
- Work Permits.

B.3.2 Radiological Worker Training

Radiological Worker Training shall be completed by individuals prior to conducting non-routine operations, or performing work in areas with changing radiological conditions. Individuals will attend the Site-specific radiation safety training identified in Attachment 1 - *Basic Radiation Safety Training*, which provides explanations of the different types of radiation, their effects, exposure standards, and methods for reducing the hazards and working safely with radioactive materials.

B.3.3 Hazardous Materials Handling

All employees who handle, package and manifest hazardous materials for shipment will receive training, specific to their job function, as required under the US Department of Transportation (USDOT) Hazardous Materials Training (HM-126F) requirements.

B.3.4 Hazard Communication

The Hazard Communication Program has been established in order to comply with 29 CFR 1910.120, Hazard Communication. All employees will be briefed on this program, and have access to a copy for review.

B.3.4.1 Container Labeling

All containers received on-Site will be inspected. Containers will be clearly labeled as to the contents, hazard level, and the name and address of the manufacturer. All secondary containers will be labeled with either an extra copy of the original manufacturer's label or generic labels. All hazardous waste containers shall have labels that list the date when storage began in the container, i.e. out-of-service date.

B.3.4.2 Material Safety Data Sheets (MSDS)

Copies of MSDS for all hazardous chemicals known or suspected on-Site will be maintained in the field office. MSDS will be available to all employees for review at all times. The MSDS will be made available to the attending physician, and emergency medical staff in the event of a medical emergency.

B.3.4.3 Employee Training

Prior to starting work, each employee will attend a health and safety orientation which will include information regarding the

- An overview of the requirements contained in the Hazard Communication Standard, 29 CFR 1910.1200;
- Chemicals present in their work area;
- Location and availability of a Hazard Communication Program;
- Physical and health effects of the hazardous chemicals;
- Use of control/work practices and PPE;
- Emergency procedures to follow if they are exposed to these chemicals;
- How to read labels and review MSDS to obtain appropriate hazard information; and
- Location of MSDS file and location of hazardous chemical list in the field office.

Subcontractors who will perform work outside of the waste fill limits, or non-intrusive work within the Site boundary include electrical technicians, fence installers, and surveyors.

These contractors will receive a Site orientation but will not require training or physicals for entry to the Site. They will be allowed to work in non-waste contact areas only.

A Site Superintendent will be on 24-hour call if EZ entry is required after working hours.

Support personnel and vendors will be allowed to enter the Site up to the Office Support Area. These individuals will not be required to have 40-hour training nor will they be allowed to proceed past the Office Support Area.

B.3.5 Training Records

Training records will be submitted before the employee starts work on-Site and will be maintained on-Site. Each person will be required to complete the Site-specific training form provided on the following page. A copy of all training certificates will be kept at the Site for each person working at the Site.

SITE SPECIFIC TRAINING

I have attended a Site-Specific Health and Safety briefing, outlining health and safety provisions for remedial activities at the Site including:

- Explanation of the approved HASP.
- Health and Safety personnel and organization.
- Brief Site history.
- Special attention to the signs & symptoms of overexposure to known & suspected Site contaminants.
- Health effects of Site contaminants.
- Air monitoring description.
- Physical hazards associated with the project.
- Selection, use, & limitations of safety equipment & proper procedures for its use.
- Personal hygiene and decontamination.
- Respirator face piece fit testing.
- PPE fitting to determine proper size for individual use.
- Site rules and regulations.
- Site communications and the "Buddy System".
- Emergency preparedness procedures.
- Equipment decontamination.
- Medical monitoring procedures.
- Contingency Plan.
- Confined Space Entry.
- Basic Radiation Safety Training.

EMPLOYEE INFORMATION

Print Name	Signature	Date

SITE HEALTH AND SAFETY OFFICER

Print Name	Signature	Date

Position:

OSHA HAZWOPER 40-Hours

OSHA HAZWOPER 8-Hour Refresher

OSHA HAZWOPER Supervisor

Medical Monitoring

Respirator Fit Test

B.4 PERSONAL PROTECTIVE EQUIPMENT

Personal protective equipment (PPE) shields against dermal contact, ingestion and/or inhalation of hazardous chemicals, VOCs, metals and radionuclides. The careful selection and use of PPE will protect the respiratory system, skin, eyes, face, hands, feet, head, ears and body. PPE does not provide protection against exposure to penetrating radiation such as x-rays and gamma radiation. For protection from penetrating radiation, modified work practices and the ALARA principles of time, distance and shielding are effective protective measures.

The minimum PPE required in all Site work areas includes hard hat, safety glasses with side shields, and substantial footwear. Safety glasses, protective eyewear and face shields will conform to ANSI Standard Z87.1-1989. Hearing protection will conform to ANSI Standard S3.19-1974.

B.4.1 Levels Of Protection

Level D PPE. Worn as a work uniform when outside the area controlled due to radioactive materials. Level D PPE will consist of at a minimum:

- Long Sleeve/Long Pants Work Clothes or Coveralls
- Steel-toed Boots
- Hard Hat
- Safety Glasses with sideshields or Goggles (if prescription eyewear is necessary, it will conform to the requirements of ANSI Z87.1)
- Leather or Cotton Work Gloves
- Hearing Protection (if necessary as determined by the SSO)

Level D Modified PPE. Worn as a work uniform in the area controlled due to radioactive materials and airborne dusts or fumes are not elevated. Consists of at a minimum:

- Long Sleeve/Long Pants Work Clothes or Coveralls
- Steel-toed Boots
- Nitrile Overboots
- Hard Hat
- Safety Glasses with sideshields or Goggles (if prescription eyewear is necessary, it will conform to the requirements of ANSI Z87.1)
- Leather or Cotton Work Gloves
- Latex Inner Gloves
- Nitrile Inner Gloves
- Hearing Protection (if necessary as determined by the SSO)
- Tyvek Coveralls

Level C PPE. Worn as a work uniform in the area controlled due to radioactive materials when airborne dusts or fumes are a potential hazard. Consists of at a minimum:

- Hard Hat
- Safety Glasses with sideshields or Goggles (if prescription eyewear is necessary it will conform to the requirements of ANSI Z87.1)
- Steel-toed Boots
- Long Sleeve/Long Pants Work Clothes

- Polyethylene Tyvek Coveralls
- Latex Surgical Inner Gloves
- Nitrile Outer Gloves
- Over the Shoe Booties (if product saturated material are encountered)
- Canvas or Leather Gloves
- Hearing Protection
- Full Face Air Purifying Respirators with Combination (Organic Vapor/HEPA) Cartridges
- Hearing Protection (if necessary as determined by the SSO)

Level B. Worn when the highest level of respiratory protection is needed (not anticipated to be necessary on this Site except in confined space operations). Level B PPE will consist of at a minimum:

- Hard Hat
- Steel-toed Boots
- Long Sleeve/Long Pants Work Clothes
- Polylaminated Tyvek Coveralls (if product saturated materials are encountered)
- Latex Surgical Inner Gloves
- Nitrile Outer Gloves
- Over-the-Shoe Booties (if product saturated materials are encountered)
- Canvas or Leather Gloves
- Hearing Protection (if necessary as determined by the SSO)
- NIOSH Certified Supplied Air Respirator (SCBA or Air-Line Respirator with SCBAE, pressure demand regulators, full face piece); (if prescription eyewear is necessary, it will conform to the requirements of ANSI Z87.1)

The levels of protection required for given tasks are listed below.

Task/Operation	Initial Level of Protection
Mobilization/Demobilization, Initial Site Set-up, Install Erosion and Sediment Control	D
Clearing and grubbing	D
Mulching of Vegetation and Placement in Designated Areas	D
Demolition of Existing Site Features	D-Modified
Waste Excavation	D-Modified
Waste Excavation with airborne dusts	C
Excavation Outside Contamination Limits	D
Placement of Fill Materials	D
Construction of Drainage Features	D
Placement of Topsoil, Seeding and Landscaping	D
Relocation, loading and handling of Sealed Waste Packages	D
Confined Space Entry	B

PPE Levels will be upgraded/downgraded based upon air monitoring data in accordance with this HASP.

Hearing protection will be necessary if noise levels exceed 85dBA or understanding normal speech becomes difficult at a distance of 3 feet.

Employees or subcontractors with vision restrictions will not perform work requiring Level C or Level B PPE unless prescription insert glasses are used.

B.4.2 Respiratory Protection

During the course of work on the project, atmospheric conditions may exist where respiratory protection is required. If Level C (full-face air-purifying respirator) or Level B (full-face air-supplied respirator) respirators are required, it will be implemented in accordance with the action levels defined in this HASP. All field personnel entering the exclusion and contamination reduction zones will have medical clearance for respirator use and fit test documentation.

If respirators are required, full facepiece respirators, with combination organic vapor and high efficiency dust and mist cartridges, will be used. Only respirators and cartridges/filters approved and certified by the National Institute for Occupational Safety and Health (NIOSH) under 42 CFR Part 84 shall be used. Half-face respirators will not be used. Respirators belong to, and are only used and maintained by, the individual to whom they have been issued.

Each employee or subcontractor who anticipates working on-Site must be trained, fit tested, and declared medically fit to wear respiratory equipment prior to participating in field activities. Medical clearance for respirator use and fit test documentation must be submitted to the SSO by each individual.

The SSO will address PPE action levels in accordance with this HASP. Respiratory protection can be donned whenever odors are objectionable. If dust levels exceed $5\text{mg}/\text{m}^3$ measured over a 5-minute period, dust suppression activities will commence.

B.4.3 Additional Safety Equipment

The following additional safety equipment will be available on-Site:

- ANSI-Approved 15-minute Eyewash;
- Site Telephone and 2-way radios;
- First Aid Kit;
- Fire Extinguishers;
- Visitor PPE; and
- (2) Emergency Self-Contained Breathing Apparatus (SCBA).

B.4.3.1 Donning an Ensemble of PPE

Procedures for donning a protective ensemble are important to insure success in the safety of the worker inside the PPE and are provided below. These procedures may be modified depending on the particular type of suit and/or when extra gloves and/or boots are used. These procedures assume that the wearer has previous training in self-contained breathing apparatus (SCBA) use and decontamination procedures. Assistance should be provided for donning and doffing, since these operations are difficult to perform alone, and solo efforts may increase the possibility of suit damage or loss of integrity of the PPE.

Procedures for Donning Level C PPE

Equipment Used: Full-face air purifying respirator, hardhat, Tyvek® coveralls, inner surgical-style gloves, outer chemical-resistant gloves, chemical-resistant boots or boot covers, duct tape.

1. Inspect the clothing and respiratory equipment before donning.
2. Adjust hard hat or headpiece if worn, to fit user's head.
3. Don the Tyvek® coveralls and secure all closures (zippers, etc) ^a
4. Put on the boots and/or boot covers, placing the leg cuffs of the coveralls over the boot;
5. Tape the cuffs in place on the boots ^b
6. Put on the inner surgical gloves;
7. Put on the outer gloves, place the coveralls sleeve over the gauntlets of the gloves, and tape the gloves in place ^{b,c}
8. Don the respirator and adjust it to be secure, but comfortable.^d Perform negative and positive respirator facepiece seal test procedures.
 - To conduct a negative-pressure test, close the inlet part with the palm of the hand or squeeze the breathing tube so its does not pass air, and gently inhale for about 10 seconds. Any inward rushing of air indicates a poor fit. Note that a leaking facepiece may be drawn tightly to the face to form a good seal, giving a false indication of adequate fit.
 - To conduct a positive-pressure test, gently exhale while covering the exhalation valve to ensure that a positive pressure can be built up. Failure to build a positive pressure indicates a poor fit.
9. Put on the hardhat. ^e

Footnote:

- a After donning the Tyvek® coveralls, move around to see that the coveralls fit well; check for tightness in the crotch (squats) and shoulders (shrugs).
- b Bend your arm/leg prior to taping to assure freedom of movement.
- c If a significant amount of "over the head" work will be done, consider taping the gloves over the coverall sleeves.
- d If greater skin protection is needed, tape the hood of the protective suit to the face piece.
 - e For added stability, the hard hat can be taped to the protective suit's hood.

B.4.3.2 Evaluating Fit

Once the equipment has been donned, its fit should be evaluated. If the clothing is too small, it will restrict movement, thereby increasing the likelihood of tearing the suit material and accelerating worker fatigue. If the clothing is too large, the possibility of snagging the material is increased, and the dexterity and coordination of the worker may be compromised. In either case, the worker should be recalled and better fitting clothing provided.

B.4.3.3 Doffing an Ensemble of PPE

Procedures for doffing a protective ensemble are important to ensure the success in the safety of the worker inside the PPE and are provided below. These procedures may be modified depending on the particular type of suit and/or when extra gloves and/or boots are used. These procedures assume that the wearer has previous training in SCBA use and decontamination procedures. Assistance should be

provided for donning and doffing, since these operations are difficult to perform alone, and solo efforts may increase the possibility of PPE damage and subsequent spread of contamination.

Procedures for Removal of PPE at a Step-Off Pad

Before stepping out of the contamination area on to the step-off pad, the worker should:

1. Remove exposed tape.
2. Remove rubber overshoes.
3. Remove outer gloves.
4. Remove hood front to rear.
5. Remove coveralls (Tyvek), inside out, touching inside only.
6. Remove respiratory protection, as applicable.
7. Remove tape or fastener from inner shoe cover, as applicable.
8. Remove each shoe cover, placing shoe onto step-off pad.
9. Remove inner gloves.
10. Perform whole body frisk or survey using personnel contamination monitor instrument

B.5 MEDICAL SURVEILLANCE

B.5.1 General Medical Surveillance Requirements

Field personnel covered by this HASP who will enter restricted areas on-Site during intrusive work must meet the medical surveillance requirements specified in 29 CFR Part 1910.120(f). Therefore, such personnel must have completed a baseline occupational medical surveillance examination, or an annual occupational medical surveillance examination within the previous twelve-(12) months.

The requirements for the medical surveillance examination includes the following components:

- Personal Medical Questionnaire;
- Occupational Exposure History;
- Physical Examination;
- Vision Testing;
- Spirometry;
- Audiometry;
- Blood Chemistry Panel (e.g., SMAC-20);
- Complete Blood Count with Differential;

- Urinalysis;
- Urine Drug Screen;
- Chest X-Ray (every two [2] years at a minimum); and
- Electrocardiogram (At Physician's Discretion).

B.5.2 Site-Specific Medical Surveillance Requirements

The following medical surveillance services are required in support of this project effort:

- Radiological monitoring personnel dosimetry during the project for each individual.
- Urine bioassay, at de-mobilization from the project.

B.5.3 Respirator Use Clearance

All employees who wear a respirator will have had a physical exam and/or medical consultation indicating fitness for respirator wear prior to wearing a respirator on the Site.

B.6 MONITORING

B.6.1 Introduction

The primary potential routes of exposure to hazardous materials will be inhalation hazard during this project from the generation of dusts or gases from contaminated soils or garbage, contamination or direct exposure to radionuclides, or ingestion of contaminants through inadvertent hand to mouth transfer. Both direct reading instrumentation and personal air samples will be used to assess worker exposure to direct radiation exposure, to total dust, including radionuclides, to volatile organic chemicals and to combustible gases within the established restricted areas and at their perimeter during closure construction.

The use of each type of direct reading instrument and requirements for personal monitoring are specified below. The SSO and RSO or designee will perform all monitoring within the restricted areas.

B.6.2 Direct Reading Instrumentation for Hazardous Chemicals, Dusts and Gases

Instrument 1 - MIE Data-Ram Total Dust Monitor (or it's equivalent)

The total dust monitor will be used to ensure that total dust levels upwind, downwind, and within the established restricted areas are maintained below the established action level of $150 \mu\text{g}/\text{m}^3$. If downwind particulate levels are $150 \mu\text{g}/\text{m}^3$ greater than the upwind particulate levels, dust suppression techniques will be employed. The readings will be taken at the locations within the restricted area, and during the time periods that are likely to represent worst-case conditions. The determination of worst case will be made by the SSO and will be dependent upon such variables as the type of work being performed and number of employees or level of activity in the zone.

Instrument 2 - GasTech Combustible Gas/Oxygen/H₂S / CO Indicator

The combustible gas indicator (CGI) will be used to determine the potential presence of flammable atmospheres during confined space and hot work activities. Its calibration should be verified at a minimum of once, at the beginning, and once at the end of each day's use. The instrument should be calibrated against a 50 percent lower explosive limit (LEL) methane in air standard, (or other flammable gas or vapor with relative response similar to methane) according to the manufacturer's instructions. CGI readings should be taken whenever PID readings in excess of 50 units above background have been measured. The instrument's alarm will sound when 10 percent of the LEL has been reached. Should the alarm sound, all sources of ignition should be shut down and field team members should back away from the immediate work area. Work should not resume until percent LEL readings have subsided below 10%. Oxygen, carbon monoxide, and hydrogen sulfide levels will also be measured.

Instrument 3 - HNu - Organic Vapor Photoionization Detector or Equivalent

The HNu is a direct reading instrument that will be used to provide instantaneous measurement of total hydrocarbons in the breathing air of employees. The process of photoionization is initiated by the absorption of a photon of ultraviolet radiation energetic enough to ionize a molecule releasing an electron. A lamp generates the UV radiation and the released ions are collected in an ionization chamber that is adjacent to the lamp and contains an accelerating electrode (+) and a collection electrode where the current is measured. After amplification, the current measured is proportional to the concentration of hydrocarbons with an ionization potential less than or equal to the energy of the lamp. The PID will be calibrated using 100 ppm of isobutylene.

The SSO routinely throughout the project will conduct area and personnel environmental air monitoring. The sampling plan can be divided into three (3) major segments. The segments are: 1) pre-testing to determine ambient conditions before invasive activities; 2) air monitoring during construction activities; and 3) personnel air sampling during construction activities. Each segment is described separately as follows.

B.6.3 Baseline Air Sampling

Prior to on-Site activity, the SSO will review or collect ambient air quality monitoring for flammable gas, oxygen deficiency, total VOCs, and total particulates. This study will provide a baseline for evaluation of subsequent perimeter air tests and PPE selection.

B.6.4 Air Monitoring During Intrusive Site Activities

During intrusive Site activity, air monitoring will be conducted using real time air monitoring equipment according to the following schedule.

Real-time monitoring (using direct reading instrumentation) will be conducted in each active intrusive work area. The real time air monitoring equipment includes:

- Organic vapor monitor - HNu Model PI-101 with a 10.2 eV Lamp;
- GasTech or equivalent combustible gas, oxygen, H₂S, CO meter, with alarm; and
- MIE Mini Ram dust monitor.

The SSO will use this equipment continuously and readings will be recorded in the field log on a regular basis. If direct monitoring levels for total dust, total organic vapors or explosive/flammable atmospheres exceed the action levels listed below, the SSO will stop work and continue investigation and sampling until a resolution is achieved.

The SSO and PM will prepare daily and/or weekly updated Exclusion Zone (EZs) sketches that will be posted in the Site support zone for general informational purposes. This will be done to depict the EZs as they change during construction phases.

Real-time air monitoring will be conducted at the worker-breathing zone, at the perimeter of active EZs and at the Site perimeter on a regular basis during on-Site construction and environmental remediation activity. A mounted flag, wind sock, or hand held wind directional devise will be used to determine the wind direction for monitoring purposes. The results of the real time monitoring in work areas will be evaluated according to the operational action level table below. The results of the real time monitoring at the Site perimeter will be evaluated according to the Community Air Monitoring Plan, discussed below. The SSO will inspect the Site to determine the cause of any elevated levels observed. Activity will be modified to reduce elevated levels. If elevated levels persist, work will stop until the situation is rectified and acceptable levels are achieved.

TABLE B-6: OPERATIONAL ACTION LEVELS - WORK AREA BREATHING ZONE

CONTAMINANT	ACTION LEVEL*	RESPONSE
VOCs by 10.6eV PID; RAE Systems MultiRae Plus PID/ LEL/O ₂ /H ₂ S/CO Monitor (or equivalent). In Areas: 1,5,6,7,8,9,10,11&12	0 to 21 ppm above background 21 to 86 ppm above background at the breathing zone, sustained for 15 minutes.	Level D, continue monitoring. Level C, continuous air monitoring. >50 ppm, check for benzene with colorimetric indicator tube. If benzene present, stop work and evaluate.
VOCs by 10.6eV PID; RAE Systems MultiRae Plus PID/ LEL/O ₂ /H ₂ S/CO Monitor (or equivalent). In Areas: 2,3&4	0-1.66 ppm above background > 1.66 ppm above background > 21 ppm	Level D, continue monitoring. Monitor for CS ₂ with colorimetric indicator tube. If positive, upgrade to Level C. Upgrade to Level C.
VOCs by 10.6eV PID; RAE Systems MultiRae Plus PID/ LEL/O ₂ /H ₂ S/CO Monitor (or equivalent). In All Areas	>86 ppm above background >138 ppm above background, no PCE/TCE present >500 ppm above background at the breathing zone, sustained for 15 minutes.	Monitor for PCE, TCE with colorimetric indicator tube. If PCE/TCE present, upgrade to Level B. Upgrade to Level B. Stop work, evacuate work zone and evaluate.
Combustible Gas In Air – RAE Systems MultiRae Plus PID/ LEL/O ₂ /H ₂ S/CO Monitor (or equivalent).	Less than 10% LEL Greater than 10% LEL	Level D, no action taken. Immediate exit work area and ventilate.

TABLE B-6: OPERATIONAL ACTION LEVELS - WORK AREA BREATHING ZONE

CONTAMINANT	ACTION LEVEL*	RESPONSE
Oxygen Monitor – RAE Systems MultiRae Plus PID/LEL/O ₂ /H ₂ S/CO Monitor (or equivalent).	Less than 19.5% Greater than 23.5% 19.5 to 23.5%	Stop work & ventilate, re-test prior to re-entry or upgrade to Level B. Immediate withdrawal of personnel and investigate. Continue work with air monitoring.
Hydrogen Sulfide in Air – RAE Systems MultiRae Plus PID/LEL/O ₂ /H ₂ S/CO Monitor (or equivalent).	0- 5 ppm. > 5 ppm, sustained for 1 minute.	Level D, no action taken to upgrade PPE; continuous monitoring. Upgrade to Level B; continuous air monitoring
Total Dust - MIE personal DataRAM (or equivalent)	0-0.38 mg/m ³ above background. 0.38- 1.9 mg/m ³ above background, sustained for 5 minutes. 1.9 to 50 mg/m ³ above background, sustained for 5 minutes.	Level D, no action taken Level C, initiate dust control Upgrade to level B, continuous air monitoring, dust control, stop or modify work if necessary, contact Radiation Safety.
* All readings taken in the worker breathing zone, sustained for 15 minutes, except where indicated.		

B.6.5 Community Air Monitoring Plan

Real-time air monitoring for organic vapors and particulate levels at the perimeter of the work area will be conducted as follows:

Continuous monitoring will be conducted for organic vapors and particulates during all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. This specifically excludes structures or parts of structures known to be uncontaminated, such as the above-slab portions of the 140 Property. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring will be conducted for organic vapors and particulates during non-intrusive activities such as the collection of surface soil and sediment samples or the collection of groundwater samples from existing monitoring wells. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include sampling or other potentially emission-producing activities conducted adjacent to; the driving range, Cantiague Rock Road, or site buildings that are still occupied.

B.6.5.1 VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring will be performed using a photoionization detector (PID) with a data logger. The equipment will be calibrated at least twice daily utilizing a mixture of 100 ppm (nominal) isobutylene in air. The data will be logged at 15-minute intervals, however, if VOC levels exceed the action levels listed below on a sustained basis (>15 minutes continuous), then the following actions will be taken:

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.
- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will stop, except that vapor suppression may be employed as appropriate, and the reason for the elevated readings investigated.

- Additionally, the exhaust stack of the enclosure air-handling plant will be monitored using a Thermo TVA 1000 PID / FID with isokinetic sampling fitting. These measurements will be evaluated under separate criteria to determine conformance with regulatory requirements regarding permitted emissions.

All 15-minute readings will be recorded and be available for State (DEC and DOH) personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded.

B.6.5.2 Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously during emission-generating operations at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level (MIE Data Ram or equivalent). The equipment will be equipped with an audible / visual alarm to indicate any exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work will be stopped, slowed, or modified and a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.
- Additionally, the exhaust stack of the enclosure air-handling plant will be monitored using an MIE Data Ram with isokinetic sampling fitting and inlet heater. These measurements will be evaluated under separate criteria to determine conformance with regulatory requirements regarding permitted emissions.

All readings will be recorded and be available for State (DEC and DOH) personnel to review.

B.6.5.3 Major Vapor Emission Response Plan

Upon activation, the following activities will be undertaken:

- Emergency Response Contacts as listed in the HASP of this Work Plan will go into effect.
- The local police authorities will immediately be contacted by the SSO and advised of the situation.
- Frequent air monitoring will be conducted at 30-minute intervals within the 20-foot zone. If two successive readings below action levels are measured, air monitoring may be halted or modified by the SSO.

B.6.5.4 Air Monitoring Plan For Radionuclides

Continuous air monitoring for uranium and thorium will be conducted at the perimeter of the work area whenever intrusive work is in progress. This monitoring will assess if off-Site airborne radioactivity releases are less than ten percent of the environmental limits of NYSDEC Part 380. It will also identify that workers are not exposed to more than ten percent of the occupational limits for radionuclides as listed in the New York Department of Labor Code Rule 38.

Continuous air monitoring using an MCE filter attached to a vacuum pump will be established prior to any work activities. The sampler will be located at the edge of the work area. The number and location of samples shall be at the discretion of the SSO. Filters will be analyzed the following workday or at a frequency established by the SSO in consultation with the RSO. A new filter paper shall be installed at the beginning of each workday.

A gas flow proportional counter, alpha/beta dual scintillator or other lab type instrument (Ludlum Model 2929) will be used to assay the filters from perimeter sampler for alpha radiation. It is preferable to wait 12 to 24 hours before counting an air sample to allow adequate time for the radon daughters to decay and minimize interference from this source. The count rate of the filter samples will be verified to see that the result is actually an increase in airborne radioactivity.

The instrument will be source checked each day to verify operation of the detectors and a background radiation count will be performed. The lab instrument will be calibrated with an NIST traceable uranium or thorium source in a disc geometry. The activity is electroplated onto the surface of the disc to simulate the geometry of the air sample. The calibration will determine the efficiency to be used when calculating the activity of the air sample. The activity measured will be divided by the volume of the air sample to give the radioactivity concentration in microcuries per milliliter. The limits for thorium are the most restrictive and as such will be used until a nuclide specific assay is available.

When a nuclide specific analysis is required, air samples will be sent to an off-Site laboratory. This will be done when an air sample exceeds ten percent of any applicable thorium-based limit.

Blank air samples will be taken periodically upwind of intrusive work activity. These blanks can be counted to give an accurate estimate as to the background levels of radon daughters collected on particulate air samples.

B.6.6 Personnel Air Sampling

Personnel air sampling will be conducted for the first three days of intrusive activity for radionuclides (alpha emitters) using NIOSH 0500. Should additional personnel air sampling become necessary, it will be conducted using the appropriate NIOSH methods.

B.6.7 Radiological Monitoring

Radiation monitoring will occur on two levels:

- a. area monitoring using portable survey meters. The survey instruments are used to measure the real-time dose rate in the work areas, to enable rapid response in an appropriate method to changing radiation levels.

- b. personnel monitoring using individual thermoluminescent dosimeters (TLD), breathing zone and/or lapel air samplers, and Bioassay. The TLD air sample results, and the bioassay program provide the basis for a permanent record documenting the actual dose each worker receives.

B.6.7.1 Radiation Survey Monitoring.

External radiation survey monitoring is performed using

- a portable survey exposure ratemeter, such as the Bicron μ Rem meter or the Ludlum 12-S
- a gamma survey instrument, such as a Ludlum 3 with a 2"x2" NaI probe detector, and
- an alpha/beta survey instrument such as Ludlum 3 with a plastic scintillator dual detector.

The survey meter is capable of measuring background levels of radiation (expected to be 5 – 10 μ R per hour) and will be able to detect levels elevated above ambient. The survey instruments with either gamma or alpha/beta probe will identify elevated levels of radioactive materials. The combination of instruments will enable workers and health and safety personnel to recognize and respond to any radiation hazards as they occur.

Background radiation levels/operational response will be determined for each instrument daily by taking readings at a location un-impacted area on the Site. Instrument checks will be performed and results will be recorded in project logs.

If the radiation level at a work location exceeds expected levels identified on the pre-work survey, the workers in that area will determine if this is from a localized source, such as a waste or sample container, or a general area level. This is accomplished by moving the meter away from the waste material and observing if the dose rate decreases. If the waste is determined to be the cause of the elevated readings, waste handling will proceed normally employing ALARA considerations. If the dose rate is elevated throughout the area, the workers will cease work, move to an area with a reduced dose rate, and notify the RSO or SSO. Work in that area will not resume until the source of radiation is identified and appropriate mitigation measures are employed. If possible, discrete sources of radiation should be segregated and shielded to minimize exposure to personnel.

B.6.7.2 Personnel Radiation Dosimeters

Each worker will be issued an individual dosimeter (thermo-luminescent dosimeter, TLD or equivalent). The dosimeter will be worn in accordance with the instructions below. These dosimeters will be collected periodically by the RSO, and submitted for laboratory processing, with results recorded in the project logs. The individual worker may request to be notified of dosimetry results.

Instructions for Wearing Radiation Dosimetry Badges

1. Always wear the badge when in posted areas and whenever you work with radioactive materials.
2. Wear the badge on a prominent area of your torso; on (not inside) a pocket, belt, collar, etc. The badge color and information label must face away from your body and not be covered by clothing or any other material.
3. Do not store the badge in a radiation area or near radioactive materials. Place the badge on the badge board when not in use.
4. The badge monitors exposure to ionizing radiation. It does not protect from radiation.
5. **DO NOT** open the badge holder or tamper with the seals in any way. Protect the badge from excessive heat, bright sunlight, humidity, or chemical vapors.
6. Report any lost or damaged badges to the Project RSO or your supervisor
7. Never wear more than one badge at the same time unless specifically instructed to do so by qualified supervisory personnel or the RSO. Never wear a badge assigned to another individual.
8. **DO NOT** deface the badge or the badge information label with the bar code in any manner. If necessary for identification purposes a removable label may be affixed to the back of the badge with the wearer's last name and identification number.
9. Return the badge on the day of the posted exchange date or when you leave the project, whichever is first.

It is important to realize that if one does not return the TLD badge for prompt processing, there is no way to measure the exposure to the badge.

B.6.7.3 Bioassay

Each worker will have a urine analysis administered after the completion of on-Site duties or at intervals directed by the RSO. Additional whole body counts and urine bioassays may be performed as directed by the RSO. Target radionuclides for the bioassays are Thorium-232, Uranium 234, Uranium 235, Uranium 238 and progeny.

B.6.7.4 Airborne Radioactivity

Air sampling for radioactive particulates will be implemented in the work area and perimeter. In general:

- a. Samples will be obtained using an air pump with flow rate sufficient to meet the detection sensitivity required for the anticipated duration of the operation.
- b. Air is drawn through a glass fiber filter Gelman, Type A/E, 47 mm (1.8 inches) in diameter or a mixed cellulose ester (MCE) filter in a plastic cassette. These filters are rated at 99.98% efficient for DOP aerosol of 0.3 μ m.
- c. The pump flow rate will be measured before and after collection to correct for filter loading; the typical flow rate value is 1.5-2.5 liters per minute.
- d. Pumps will be placed in the work area at the beginning of the shift and remain until the end of the potentially contaminating work. The filter apparatus will be mounted at approximately 3 to 5 feet off the ground.
- e. Following the sample collection, the filters will be analyzed on-Site for gross alpha and gross beta radioactivity using a Ludlum Model 2360 scaler with Model 43-1-1 probe (or equivalent instrument)

The minimum air volume requirements will be met to achieve the required Derived Air Concentration (DAC) for air monitoring of Uranium and Thorium.

B.6.7.5 Surface Contamination Surveys

B.6.7.5.1 Personnel Contamination Surveys

Personnel contamination will be monitored for workers exiting work areas. Frequency will initially be 100%; frequency may be adjusted based on contamination potential. Surface contamination will be measured using hand-held instruments, such as with the Ludlum Model 2360/43-1-1 or equivalent. The instrument will be used to monitor personnel contamination at the work area egress point. Attachment 2 - *Contamination and Radiation Monitoring*, will be used to implement personnel contamination surveys.

B.6.7.5.2 Equipment/Materials Surface Contamination

Equipment/materials contamination surveys will be performed on all equipment/materials having the potential for being contaminated during Site activities, prior to release from the Site for unrestricted use. Surface contamination will be measured with direct reading instruments and with wipes for removable activity, such as with the Ludlum Model 2360/43-1-1 or equivalent. Attachment 2 will be used to implement equipment/materials contamination surveys and identify applicable release limits. Surveys and swipe evaluations will also be performed in the support zone to verify that controls are being effective.

B.6.7.5.3 Radioactive Materials Shipments Surveys

Waste and sample shipments from the Site exhibit radiological characteristics that must be considered with respect to the United States Department of Transportation (USDOT) regulations for transport of radioactive materials. Direct radiation surveys can be performed using a dose rate meter (Bicron Micro Rem) or energy-compensated exposure rate meter (Ludlum Model 3/44-38). Surface contamination surveys can be performed using standard swipe methods, counted with a Ludlum Model 2360/43-1-1 or

equivalent. Attachment 2 will be used to implement sample shipment surveys and to identify applicable release/labeling requirements.

B.7 SITE CONTROL MEASURES

To prevent both exposure of unprotected personnel and migration of contamination due to tracking by personnel or equipment, Work Zones (WZ), along with PPE requirements will be clearly identified. A sign clearly identifying the Site address will be placed at the front of the building for emergencies and Site deliveries.

B.7.1 Site Control and Security

All employees, subcontractors, government agency representatives and visitors will be required to sign in and out on the Sign-In Log located in the field office in the office support area. A Site representative will accept all deliveries.

Work Zones (WZ) will be established around waste excavation and placement work areas, and be moved as work progresses. Only authorized personnel will be allowed to enter the active WZ. Security will control access to the active work area. Visitors will not be permitted to enter the facility unless accompanied by authorized personnel. Names and affiliation of each visitor will be recorded and maintained. A brief documented safety meeting detailing safety procedures must be held for visiting personnel before they can enter and observe Site activities. A copy of the HASP will be kept on-Site for reference and must be reviewed by all visitors and assigned personnel. All persons allowed on-Site will require written acknowledgement of having reviewed the HASP.

Additionally, a Site map clearly delineating WZ and routes into and out of WZ and the Site will be posted. The SSO will post EZ sketches in the field office for visitors' information. The primary and alternate Site evacuation routes will be designated on the Site map, and permanently posted in the field office.

B.7.2 Designation of Zones

Where applicable (i.e., drum or bulk hazardous waste handling), the PM delineates WZ as suggested in the "Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities," NIOSH/OSHA/USCG /USEPA, November 1985. They recommend the areas surrounding each of the intrusive work areas on hazardous waste Sites where there is a potential for exposure to be divided into three (3) zones:

- Exclusion Zone (EZ);
- Contamination Reduction Zone (CRZ); and
- Support Zone (SZ).

B.7.2.1 Exclusion Zone

The EZ will consist of a corridor around the active work area where excavation, dewatering, or other soil or water handling activities are taking place, and there is chance of exposure to subsurface contaminants

or groundwater. It will be large enough to allow heavy equipment movement while being kept as small as possible so as not to impact facility operations. The perimeter of the EZ will also be sufficiently large to preclude unprotected personnel from contact with vapors that may arise from these operations. The perimeter of the EZ will be marked with yellow caution tape, hi-visibility fence, traffic cones, etc. All personnel entering these areas must wear the prescribed level of protective equipment and satisfy Site access training requirements.

The EZ includes those areas that are considered contaminated or have the potential to be contaminated in the event of a spill. A checkpoint will be established at the interface of the EZ and CRZ to control the movement of personnel and equipment into and out of the contaminated area. It will be large enough to allow heavy equipment to pass through. The EZ will be clearly bounded and delineated by the "hotline". An EZ sign-in sheet will be maintained in the CRZ to log personnel times in and out of the EZ.

B.7.2.2 Contamination Reduction Zone

The CRZ will be a clearly marked corridor between the EZ and SZ. This is where personnel will be in the sequential decontamination process when exiting the EZ. To prevent cross contamination and for accountability purposes, all personnel will enter and leave the EZ through the CRZ. Equipment will also be initially decontaminated in this area to allow repeated passage in and out of the EZ. Operators of equipment and vehicles who will not be leaving their driving position are not required to go through the decontamination process until the last passage out of the EZ is made. The CRZ serves as a buffer zone between the SZ and the EZ.

Personnel will process through the "clean" end of the CRZ on their way into the EZ. Personnel will process through the contaminated side of the CRZ when leaving the EZ, and will be "contaminant free" before entering the SZ. The CRZ will be located in the direction upwind from the EZ, based upon prevailing wind patterns. Exiting from the CRZ requires the removal of all suspected or known contaminants through compliance with the personnel and equipment decontamination procedures as outlined in this HASP.

B.7.2.3 Support Zone

The SZ will consist of those areas around the CRZ where support equipment is staged. It will be set up in an area believed to be free of above surface contamination. The SZ includes the area where the command post and all other support for operations will be located. It will also include already remediated areas that have been sampled, surveyed and released.

B.7.3 Additional Control Measures

The following measures are designed to augment the specific health and safety guidelines regarding the designation of work zones.

- The "buddy system" will be used at all times by all field personnel. No one is to perform fieldwork alone. Standby team members must be intimately familiar with the procedures for initiating an emergency response.

- Avoidance of contamination is important. Whenever possible, avoid contact with contaminated (or potentially contaminated) surfaces or materials. Walk around (not through) puddles and discolored surfaces. To minimize the potential for puncture wounds due to sharp objects, do not walk through exposed waste if you can avoid it. Do not kneel on the ground or set equipment on the ground if possible.
- The office support area has been designated for eating and drinking on-Site. **NO SMOKING ON-SITE.** Smoking is permitted in designated areas **ONLY**.
- Eating, drinking, chewing gum, smoking, or any practice that increases the probability of hand-to-mouth transfer and ingestion of materials is prohibited in all work areas.
- Hands and face must be thoroughly washed upon leaving the work area and before eating, drinking or any other activities.
- Beards or other facial hair that interfere with respirator fit are prohibited when respiratory protection is required.
- The use of alcohol or illicit drugs is prohibited at all times, and grounds for **immediate termination**.
- PPE equipment will be required for all field personnel unless otherwise approved by the RHSM or SSO.

B.7.4 Site Safety Equipment

The following safety equipment will be available for personnel. Subcontractors will be responsible for supplying their own safety equipment.

- 10 A-B-C fire extinguisher
- First aid kit
- ANSI-approved 15 minute eyewash
- Respirators and air purifying cartridges
- Tyvek coveralls
- Nitrile gloves
- Hardhats
- Work gloves
- Eye/face protection
- Disposable outer boots
- Hearing Protection

B.8 DECONTAMINATION PROCEDURES

B.8.1 Decontamination Station

The Exclusion, Contamination Reduction, and Support Zones (EZ, CRZ, and SZ, respectively) will be defined prior to commencing any intrusive work in the EZs. The EZ will be delineated and marked with caution tape, high-visibility fence, traffic cones, etc. Temporary signs will also be posted defining levels

of protection required for entry. Subsequently, the CRZ will be constructed and delineated for personnel decontamination activities.

A decontamination area will be established within each CRZ just inside the access/egress point. The decontamination area shall be underlain with plastic sheeting that shall be replaced when torn or heavily soiled.

All spent decontamination fluids (wash and rinse waters) will be handled as radioactive waste until laboratory results indicate otherwise. Fluids will be placed in proper containers, such as 55 gallon, metal, DOT approved drums, and handled and labeled in accordance with OSHA (or State equivalent), EPA, and DOT regulations.

Disposable clothing, gloves and spent respirator cartridges will be disposed of after each work shift. All personal protective equipment to be disposed of that has been used in areas of suspected or detected radiological contamination will be monitored prior to disposal. Any contaminated PPE will be placed in a separate plastic bag from uncontaminated PPE and properly marked and kept separate from uncontaminated PPE. These items are to be placed in waste receptacles located inside the CRZ. Contaminated clothing will be disposed of in a manner consistent with regulations for the level of surface contamination.

Employees will use a clean respirator on each work shift. Employees will be responsible for the cleaning and maintaining their respirators. Used respirators, face shields, hardhats, safety glasses, etc., which have been surveyed as free from radiological contamination are to be cleaned by the employee at the end of each shift. Clean respirators are to be stored in respirator bags.

B.8.2 Personnel Decontamination Error! Bookmark not defined.

Personnel should follow the general decontamination procedures outlined below for Level D, C and B protection:

- a. Locate a decontamination area.
- b. Establish a personnel decontamination station consisting of a hand-held radiation detector sensitive to the radiation of concern (alpha/beta), a basin with soapy water, rinse basin with plain water, and a can with a plastic bag or liner.
- c. Monitor boots and gloves for radioactivity.
- d. Remove boots and outside gloves and discard them in a plastic bag.
- e. Remove disposable suit and discard it in a plastic bag.
- f. Monitor your body with the hand-held instrument or proceed to the radioactivity portal monitor and process through as instructed.

Upon leaving the contamination area, all personnel will proceed through the appropriate Contamination Reduction Sequence described above. All protection gear should be left on-Site during lunch break following decontamination procedures.

B.8.3 Personal Hygiene

Portable hand and face wash-up facilities will be provided outside of each of the established exclusion zones. To reduce the possibility of hand to mouth transfer of contaminants and absorption through skin

contact, personnel will be required to wash their face and hands upon exiting the work areas and prior to smoking, eating, or drinking, if necessary. Eating will not be allowed in exclusion or CRZs. In addition, portable sanitary facilities will be provided. The number of facilities provided will be in accordance with the requirements of 29 CFR Part 1910.120(n). They will be maintained in clean condition at all times.

B.8.4 Instrument Decontamination Activities

Instruments will be decontaminated whenever they are taken out of the EZ. Instrument clean up will occur in the CRZ. It will consist of the removal of any dust or soil from the surfaces of instruments. Equipment decontamination will be under the supervision of the SS and RSO.

B.8.5 Site Equipment Decontamination

Equipment should remain on-Site until the end of the project, or until it is no longer needed to support project operations. At project completion, equipment that is potentially contaminated will undergo decontamination procedures by project personnel. The equipment will then be surveyed for residual radioactive materials by the project RSO. If detectable contamination is found, equipment will not be allowed to leave the Site until additional decontamination and a re-survey to assure compliance with the release criteria.

B.8.5.1 Decontamination of Vehicles and Heavy Equipment

Where it is likely that vehicles or heavy equipment have come in contact with contaminated material, such equipment will be decontaminated and surveyed before leaving the Controlled Area/Exclusion Zone (CA/EZ).

B.8.5.2 Decontamination of Tools Error! Bookmark not defined.

When all work activities have been completed, contaminated tools (drill augers, hand trowels, shovels, etc.) shall be totally decontaminated. A job is NOT considered complete until the work area has been cleaned, all used material properly discarded and tools cleaned and properly stowed.

It is expected that all tools will be constructed of non-porous, non-absorbent materials. This will aid the decontamination process. Any tool, or part of a tool, which is made of a porous/absorbent material (that is, wood or cloth) shall be discarded and disposed of as a hazardous waste if it cannot be properly decontaminated.

Tools to be decontaminated will be placed on a decontamination pad or into a bucket and thoroughly washed using a soap solution and brushing, followed by a water rinse. All visible particles should be removed before the tools are considered clean. Visibly clean tools will be surveyed for radiological contamination before storage or release from the Site.

B.8.5.3 Equipment Release Surveys and Criteria

Prior to release from the CA/EZ, surveys of all equipment and materials shall be performed by the RSO. The RSO can make the determination on whether to conduct independent free release

surveys or verify contractor-generated data. All equipment and materials used in the CRZ and CA/EZ must be visibly clean.

Equipment and materials are checked for removable radioactive contamination by counting 47 mm or 1.75" diameter smears that have been wiped over 100 cm² of the object being monitored. Equipment and materials are checked for fixed plus removable contamination by project personnel using a hand-held survey meters or low background counter (for alpha, beta and/or gamma radiation). Attachment 2 will be used to implement equipment/materials contamination surveys and identifies applicable release limits. Any detectable contamination that is greater than the limits specified in Attachment 2 must be removed.

The PM, SSO, or SS will maintain an Equipment Decontamination Log. The SSO will provide on-Site training to individuals who require it prior to inspecting decontamination activities. The following checklist may be used during this activity.

Decontamination Site Checklist		
Equipment Description		Date:
1	Exterior of vehicles/equipment visually dirty?	Yes No
2	Soil or other materials are adhering to the vehicle/equipment body or undercarriage?	Yes No
3	The vehicle/equipment is leaking or dripping liquids?	Yes No
4	Is the vehicle/equipment completely decontaminated so as not to permit potentially fugitive particulate matter to become airborne?	Yes No
5	Is the vehicle adequately decontaminated, permitted to leave the decontamination pad, and removed from the Site?	Yes No
6	Additional comments (if any)	Yes No
Printed Name:		Title:
Signature:		Date:

EQUIPMENT DECONTAMINATION LOG

[illegible]

B.9 EMERGENCY PLAN

B.9.1 Emergency Management

A Site emergency is considered to be a event that has or threatens to have a detrimental physical impact on facilities, people, or the environment and requires immediate action. This definition applies to work locations and employees, as well as the people and property associated with contractors and the community.

Emergencies can be grouped into three categories:

- Fire, leak, spill, or release;
- Medical; and
- Natural (hurricanes, flooding, etc.).

B.9.1.1 How to Respond to an Emergency

Fire, Leak, Spill, or Release

If an employee discovers a fire, leak, spill, or release:

- Report the emergency by Site radio to the SSO or SS. Give your name, exact location, and the nature of the emergency;
- Shut down all equipment; and
- Leave the area immediately.

The phone numbers of the police and fire departments, ambulance service, local hospital, and representatives are provided in the Emergency Reference sheet on the following page. Directions to the hospital are also provided.

Medical

- ***For medical emergencies that are life threatening***, the appropriate community emergency services will be mobilized. The personnel within the EZ, regardless of level of PPE, will bring the injured person out of the EZ, bypassing the decontamination procedures. The injured person will be ready at the CRZ for immediate evacuation by emergency personnel or local ambulance.
- ***For employees with less serious injuries***, Certified personnel are responsible for providing first aid care. Injuries that border being first aid cases that do require outside assistance, i.e. emergency transportation. In more severe cases, the field personnel at the scene will stabilize the injured person as much as possible within the EZ. Emergency response personnel will enter the EZ in appropriate PPE to conduct first aid and/or remove the injured person for appropriate medical attention through decontamination procedures.

Natural

In the event of a natural emergency, such as flooding, electrical storms, hurricane, tornado, etc., Appropriate precautions will be taken (e.g., secure material, gas bottles, tanks, as well as cranes and other equipment). Personnel may also be required to get off high structures or platforms.

B.9.2 Personnel Responsibilities

Prior to initiating work on-Site, a field team member, usually the SSO will be appointed to activate emergency response actions when required. In the event an injury or illness requires more than first aid treatment, the SSO or designee will accompany the injured person to the medical facility and will remain with the person until release or admittance is determined. The escort will relay all appropriate medical information to the SSO, PM, and the RHSM.

The PM has the authority and responsibility both to commit company resources to appropriately respond to an emergency and to exclude all personnel not directly responding to the emergency.

B.9.3 Emergency Reporting

Any incident (other than minor first aid treatment) resulting in injury, illness or property damage requires an accident investigation report, and will be reported to the SSO. The investigation will be initiated as soon as emergency conditions are under control. The purpose of this investigation is not to attribute blame but to determine the pertinent facts so that repeat or similar occurrences can be avoided.

The investigation should begin while details are fresh in the mind of anyone involved. The person administering first aid may be able to start the fact gathering process if the injured are able to speak. Pertinent facts must be determined. Questions beginning with who, what, when, where, and how are usually most effective to discover ways to improve job performance in terms of efficiency, quality of work, as well as safety and health concerns.

Potential emergencies that may arise are most likely to be associated with physical hazards from heavy equipment operation and/or lifting and loading of debris. Emergency response will in most cases be permissible to be performed in Level D.

B.9.4 Evacuation Plan

The basic elements of an emergency evacuation plan include employee training, alarm systems, escape routes, escape procedures, critical operations or equipment, rescue and medical duty assignments, designation of responsible parties, emergency reporting procedures and methods to account for all employees after evacuation.

Employee Training: Employees will be instructed in the specific aspects of emergency evacuation applicable to the Site as part of the Site safety meeting prior to the commencement of all on-Site activities. On-Site refresher or update training is required anytime escape routes or procedures are modified or personnel assignments are changed.

During the Pre-Construction Site Safety Meeting held, all employees will be trained in and reminded of the location of the evacuation plan, the procedures outlined in this plan, the communication systems and evacuation routes used during an emergency. Figure B1 details the emergency route to the Nassau County Medical Center in Hempstead, New York and Table 10-B1 lists emergency phone numbers. Safe distances and rally points will be established for each phase of work, posted, and reviewed by all workers at the daily tailgate safety meetings.

On a continual basis, individual personnel should be constantly alert for indicators of potentially hazardous situations and signs and symptoms in themselves and others that warn of hazardous conditions and exposures. Rapid recognition of dangerous situations can avert an emergency. Potential emergencies

that may arise are most likely to be associated with physical hazards from heavy equipment operation and/or lifting and loading of debris.

In the event of any emergency that necessitates an evacuation of the Site, on-Site personnel shall be notified by two-way radios to evacuate the area by immediate emergency exit. An alternate method of communication will be the use of portable air horns sounded in regularly spaced, repeated blasts, as detailed in this HASP.

During an evacuation, all non-emergency radio transmissions shall cease. The SSO and SS shall control the scene until the appropriate municipal and state agencies arrive as necessary. The SSO/SS are responsible for head count of all personnel at rally points following evacuation.

B.9.5 Alarm Systems/Emergency Signals

An emergency communication system must be in effect on-Site. The most simple and most effective emergency communication system in many situations will be direct verbal communications. Verbal communications will be supplemented anytime voices can not be clearly perceived above ambient noise levels (i.e. noise from heavy equipment; drilling rigs, backhoes, etc.) and anytime a clear-line-of-sight cannot be easily maintained amongst all Site personnel because of distance, terrain, or other obstructions. When verbal communications must be supplemented, the following Emergency Signals (using hand held portable air horns) shall be implemented:

- **ONE HORN BLAST: GENERAL WARNING**

One horn blast is used to signal relatively minor, yet important events on-Site. An example of this type of event would be a minor chemical spill where there is no immediate danger to life or health yet personnel working on-Site should be aware of the situation so unnecessary problems can be avoided. If one horn blast is sounded, personnel must stop all activity and equipment on-Site and await further instructions from the SSO and PM.

- **TWO HORN BLASTS: MEDICAL EMERGENCY**

Two horn blasts are used to signal a medical emergency where immediate first aid or emergency medical care is required. If two horn blasts are sounded all first-aid and/or CPR trained personnel should respond as appropriate, all other activity and equipment should stop and personnel should await further instructions from the SSO and PM.

- **THREE HORN BLASTS FOLLOWED BY ONE CONTINUOUS BLAST: IMMEDIATE DANGER TO LIFE OR HEALTH**

Three horn blasts followed by another extended or continuous horn blast signals a situation that could present an immediate danger to the life or health (IDLH) of all personnel on-Site. Examples of possible IDLH situations could include fires, explosions, hazardous chemical spills or releases, hurricanes, tornadoes, blizzards or floods. If three horn blasts followed by a continuous blast are sounded, all activity and equipment must stop, all personnel must evacuate the Site to an appropriately designated area located outside the Site gate or further off-Site if necessary. (Note: Unless otherwise specified, all decontamination procedures must be implemented.) All personnel must be accounted for and other response actions determined by the SSO or PM must be observed.

B.9.6 Medical Treatment/First Aid

The on-Site SSO and PM shall have first aid kits for use in a medical emergency. First Aid Kits and eye wash stations will be located in the field office at the main support area, and at work activity locations. Decontamination procedures must be implemented prior to sick or injured personnel leaving the Site. On-Site employees that have a basic knowledge of first aid can assist the SSO. Community emergency services (EMS, Fire, and Police) shall be notified immediately if deemed their resources are needed on-Site, and the phone numbers are provided in Table 10-B1.

If necessary, the injured or sick party shall be taken to Nassau County Medical Center. Please refer to Figure B1 (route to closest hospital) located at the end of this section.

A copy of the map and emergency reference information table shall be posted in the office trailers and guardhouse, located near the entrance gate.

B.9.7 Fire Extinguishers

Support Area - Each trailer will be equipped with 10 A; 30BC multipurpose dry chemical type fire extinguishers. One fire extinguisher will be by each door.

Impacted Work - Two 20 ABC fire extinguishers will be located at each impacted work location.

Equipment - All of the heavy equipment are supplied with at least 2ABC multipurpose dry chemical type fire extinguishers. ABC type fire extinguishers can also be found in all vehicles.

**TABLE 10-B1
EMERGENCY REFERENCE INFORMATION**

Municipality/Company	Phone Number
Ambulance	911
Police	911
Fire	911
National Response Center – Spill Reporting	(800) 424-8802
Chemical Transportation Emergency Center	(800) 424-9300
Poison Control Center	(800) 764-7661
Hospital - Nassau County Medical Center	(516) 542-0233
NYSDEC Spill Response Hotline	(800) 457-7362
Directions to the Hospital - Turn left onto Cantiague Rock Road (south). Take Cantiague Rock Road ½ block to traffic light (Prospect Avenue/West John Street) turn left. Turn right onto Charlotte Avenue. Go under railroad (slight right onto Duffy Ave.). Turn right at Hess Station onto Old Country Road. Turn right onto Wantagh State Parkway – south Exit 3W – NY Route 24 West – Hempstead. Turn left on Hempstead Turnpike (NY-24E). Hospital emergency entrance on the right side of the street.	

B.10 SPILL RESPONSE

Reportable spills occurring on-Site, whether liquid or solid, will be reported promptly to the PM and SSO. It is not anticipated, due to the nature of this project, that any reportable quantities of solid materials will be released. No liquids that would pose a threat if spilled are being utilized or generated. However, the following section describes management of waste spills and preventive measures.

Any solids spilled during the removal action will be promptly recovered and replaced into the container they came from if possible. If container is damaged, the spill will be contained with local soil or a spill control kit. The following procedures will then be implemented:

1. Notify representative(s) immediately.
2. Isolate the spill area and control entry to the area quarantined.
3. Only personnel in the proper PPE will be allowed to enter the area.
4. Keep all traffic away from the spill.
5. Use a water fog to suppress vapors, fumes, dust or mist if imminent release from the Site is apparent.
6. Remove and stockpile or containerize the waste immediately or as directed by SSO and/or PM.

YAHOO! GetLocal Maps

Yahoo! Maps

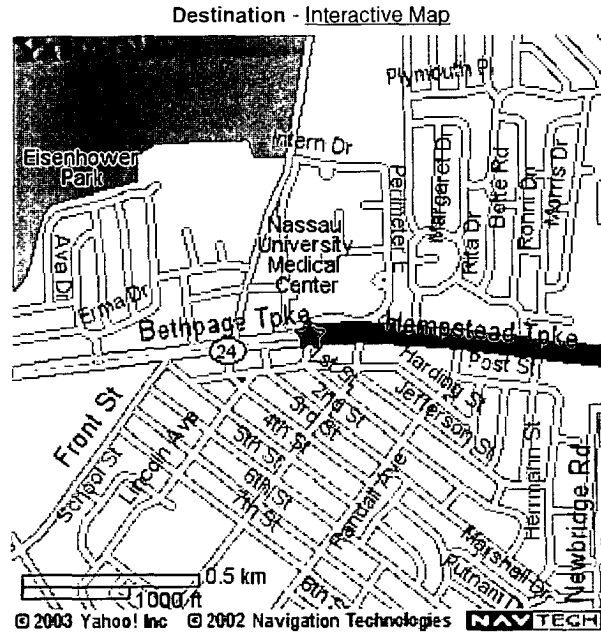
[Back to Directions](#)

Starting from: **1** 140 Cantiague Rock Rd, Hicksville, NY 11801-1127

Arriving at: **2** 2201 Hempstead Tpke, East Meadow, NY 11554-1859

Phone: 516-542-0233

Distance: 4.3 miles Approximate Travel Time: 8 mins



Directions	Miles
1. Start on Cantiague Rock Road heading south	0.2
2. Turn east (left) on W. John Street	0.2
3. Turn south (right) on Charlotte Avenue	0.4
4. Turn southwest (right) on Duffy Avenue	0.2
5. Turn right on Old Country Road	0.1
6. Bear south (right) to take the Wantagh Pkwy south ramp	0.1
7. Merge on highway	2.2
8. Take the W3 W/RT-24 West exit towards Hempstead	0.1
9. Continue on local road	0.0
10. Turn west (right) on Bethpage Tpke/Hempstead Tpke	0.8

**Figure 10B-1 Hospital Route Map
From Site to Nassau County Medical Center**

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B.11 HEALTH AND SAFETY INSPECTION

The RHSM may perform a Site-specific Health and Safety Inspection during Site activities. Inspections are typically conducted monthly. The purpose of the Health and Safety Inspection will be to:

- (1) Verify the effectiveness of the HASP in protecting the health and safety of GTE employees and their subcontractors;
- (2) Confirm that the Site Operations Plan and HASP are being correctly implemented; and
- (3) Assure all aspects of the project safety are properly represented by these plans.

B.12 CONFINED SPACE ENTRY

Entry into Permit-Required Confined Spaces likely will not be required for any work on this project. Should confined space work be required, field personnel will adhere to the following procedures:

All employees required to enter confined spaces will observe requirements specified in 29 CFR 1910.146. Prior to entry, employees will have completed a confined space training program. Depending upon risk level, atmosphere testing for oxygen deficiency, combustible gases, and toxic agents may be required.

Confined spaces pose special hazards to the remedial workers because they can allow contaminants to concentrate to levels which are immediately hazardous and restrict the employees' movement as necessary to escape hazards such as moving equipment, collapsing earth, etc. Procedures for entry into the confined space are prepared for each project and included in this HASP.

The following items should be addressed prior to entry into the confined space:

- Sources of ignition shall be removed from confined spaces where flammable vapors may be present.
- Provisions of the lockout procedure must be satisfied, where applicable.
- Employees working in the confined space must be under the constant observation of a competent employee stationed outside the confined space.
- Every person entering an enclosed, confined space must wear a rescue harness with lifeline attached.
- When a ladder is required to enter a vessel, the ladder must be made secure at the top and must not be removed while anyone is inside.
- Adequate illumination must be provided. Approved, low-voltage, protected-type fixtures should be employed.
- The confined space is to be emptied, flushed, or otherwise purged of hazardous substances.
- Pipes or lines which convey any kind of substance to the confined space are to be disconnected, blinded, or have the valve locked off to prevent such substances from entering the confined space while work is in progress.

- Rescue equipment must be at the project Site prior to commencing work. Rescue equipment will include extra rope, safety harnesses, and emergency self-contained breathing apparatus (SCBA). No one should enter a confined space until adequate safety equipment is present to remove an unconscious person.

The SSO is responsible for evaluating general safety hazards including executing confined space permits, locking out equipment, providing adequate lighting, tools, etc., and for assuring the conditions established for the confined space entry are maintained.

B.12.1 Definitions

A "*confined space*" is defined as a space that by design or construction has one or more of the following characteristics:

- Limited openings for entry and exit;
- Is large enough and so configured that an employee can enter and perform assigned work.
- Is not intended for continuous employee occupancy.

A "*Permit-required confined space (permit space)*" means a confined space that has one or more of the following characteristics:

- Contains or has a potential to contain a hazardous atmosphere.
- Contains a material that has the potential for engulfing an entrant.
- Has an internal configuration such that an entrant could be trapped or asphyxiated by inwardly converging walls or by a floor, which slopes downward and tapers to a smaller cross-section.
- Contains any other recognized serious safety or health hazard.

B.12.2 Atmospheres

The primary hazard presented by entry to the confined space is the likely presence of an atmosphere that provides a hazardous situation. Hazardous atmospheres normally encountered in confined spaces can be divided into five (5) distinct categories:

- **Flammable** - A flammable atmosphere generally arises from enriched oxygen atmospheres, vaporization of flammable liquids within the explosive range, by products of work, chemical reactions, concentrations of combustibles, dust, and desorption of chemicals from the inner surfaces of the confined space. Flammability is measured in terms of the LEL and upper explosive limit (UEL). The LEL is the point above which a sufficient concentration of gas exists to support combustion. The UEL is the point at which an excess amount of flammable gas is present to support combustion. The LEL and UEL are different for each individual type of explosive gas.

- **Toxic** - The substances to be regarded as toxic in a confined space can cover the entire spectrum of gases, vapors and finely divided airborne dust in industry. The sources of toxic atmospheres encountered include flammable materials listed above, volatile nonflammable gases that pose a threat to health (e.g., hydrogen cyanide, hydrogen sulfide).
- **Irritant** - An atmosphere posing a threat of irritation that may or may not be immediately evident. The body's sensitivity abilities can be generally weakened due to damage of the nerve endings in many cases. Thus, the worker is not aware of any increase in the exposure to toxic substances. An example of an irritant would be elemental iodine.
- **Oxygen Depletion** - An asphyxiating atmosphere can be created by three (3) basic operations:
 1. Consumption of oxygen takes place during combustion of flammable substances, as in welding, heating, cutting, and brazing operations.
 2. Oxygen can also be consumed during non-combustion chemical reactions, as in the formation of rust on the exposed surfaces of the confined space.
 3. Oxygen displacement by another gas, such as argon, carbon dioxide, nitrogen and methane can displace the oxygen-bearing air, thus creating an environment immediately dangerous to life and health.
- **Oxygen Enrichment** - A toxic atmosphere could be present containing >23.5% Oxygen.

B.12.3 Pre-Entry Testing

Typically, monitoring tests are performed prior to the entry of personnel into the confined space. The testing regime is developed to detect the presence of flammable atmospheres (i.e. higher than LEL or lower than UEL), toxic atmospheres, oxygen enrichment (i.e. >23.5%), oxygen deficiency (i.e. <19.5%), or other harmful physical agents.

Combustible gas detectors are used to detect the potential for a flammable environment. These devices are usually calibrated to issue an alarm when a given percentage of the LEL (usually 25 percent) is reached. Other types of gas detectors such as Dreäger tubes, photoionization detectors, flame ionization detectors may be used to detect the presence of other potentially harmful gases. An oxygen meter can be used to detect the concentration of oxygen in the confined space to alert operators to the presence of an oxygen deficient condition.

B.12.4 Equipment and Tools

The standards for the use of equipment and tools in the confined space must be increased to account for the special dangers presented by the confined space environment. These enhanced standards are selected for each project and can include any combination of the following procedures can include:

- Increased inspection frequency.
- All equipment must be clean and in good repair.

- Any time 110-volt electrical power is to be used in confined space entry, power must be provided through a ground fault interrupter. The ground fault interrupter must be located outside of the vessel and as close to permanent wiring as possible to ensure against shock hazards from faulty or damaged power tools and extension cords.
- Lighting fixtures must meet appropriate codes depending on the expected atmosphere (i.e. explosion-proof, intrinsically safe, etc.).
- Air-driven hand tools shall be used when flammable liquids are present.
- Cylinders of flammable compressed gases shall never be taken into a confined space.
- Torches or other equipment must not be left in confined spaces where an open or leaking valve could fill the space with flammable gas and/or oxygen. Gases should be shut off at their source when not in immediate use.
- An approved lifeline and harness will be used when entering a closed type confined space.

B.12.5 Standby Person

A standby person is required when activities are being conducted inside a confined space. The standby person is assigned the responsibility of assisting the individual(s) who are entering the confined space. The standby person has the following duties:

- Assuring the entrants to the confined space have a valid permit each day.
- Knowing who is in the confined space and keeping them under surveillance from outside the confined space.
- Keeping unauthorized people out of the area.
- Recognizing early symptoms of danger in the space.
- Watching for hazards outside as well as inside the space.
- Maintaining clear access to and from the space.
- Remaining at his station at all times except when necessary to summon help.

If rescue of the individuals inside the confined space becomes necessary, the standby person is the person responsible for assuring that the appropriate measures are carried out in a timely manner. These duties include:

- Calling for rescue personnel.
- Staying outside until back-up personnel arrive.
- Performing the rescue from outside the confined space, whenever possible.

- Being able to promptly summon assistance.
- Being able to quickly locate and provide safety equipment, such as fire extinguishers and safety showers.
- Shutting down the equipment used in the confined space, such as welding equipment.
- The observer does not enter the vessel in case of emergency until other assistance arrives. Every person entering any vessel for rescue purposes must wear a harness with lifeline attached and a positive pressure air supplied respirator or SCBA.

B.12.6 Authorized Entry Supervisor

All confined space entry work conducted is thoroughly evaluated prior to starting. The space, potential hazardous materials present, planned work activities, assigned PPE, surrounding work activities, and Site location are reviewed by the confined space entry supervisor. This individual must:

- Know potential hazards that may occur with confined space entry.
- Verify and check that the confined space entry permit is complete, all tests specified on the permit have been made, and all procedures and equipment specified on the permit are in place. This verification is to be followed by signature on the permit.
- Terminate entry by canceling permit when necessary.
- Verify that rescue services are in place, available, and procedures established for calling them if necessary.
- Remove unauthorized individuals from permit spaces.
- Determines entry operations remain consistent and acceptable if attendant or entrant assignments change.

B.12.7 Authorized Entrant

Any employee directed to enter a confined space as part of their assigned duties has the responsibility to perform said duties knowledgeably and safely.

The responsibilities of an authorized entrant are:

- To know the hazards that may be faced during entry. These will be found in the Site-specific HASP and include signs, symptoms, and consequences of exposure.
- To properly use assigned PPE.
- To communicate any unexpected/changed conditions or symptoms of exposure in the space to the attendant.
- To exit the permit space as quickly as possible when ordered by attendant to evacuate.

B.12.8 Cessation of Activities

A confined space entry permit becomes void and activities should be interrupted and the confined space evacuated if any of the following occur:

- The job is interrupted for more than 60 minutes, for any reason.
- An employee working in the vessel becomes ill or injured.
- A power failure occurs which renders the lighting or the telephone inoperative.
- Communication systems become inactive or non-functional.

B.12.9 Atmospheric Monitoring Procedures

The monitoring equipment will be operated according to the procedures for that particular piece of equipment. Placement of the probe into the confined air vessel should use extra care to hold the probe off the bottom of the confined space and to avoid pumping liquid into the analyzer. Often times longer lengths of sampling lines may be necessary in deep vessels to avoid entering the vessels. Typically, an oxygen measurement should be conducted to assure that the O₂ level is normal. For this project, any confined space entry will require monitoring for O₂, CO, VOCs, and hydrogen sulfide using direct read instrumentation and action levels defined in this HASP.

B.12.10 Work in Confined Spaces

Confined space environments also place special requirements on practices employed for hot work. No welding, cutting, or use of spark producing tools is permitted in any confined space where the flammable vapor concentration is or becomes above zero on the test unit. Welding and burning equipment, other than torches, hoses, cables and electrodes, will not be taken into any vessel. Gas cylinders and/or welding machines will be left outside the vessel.

All welding and burning equipment used inside a vessel must be provided with quick shut-off under control of the outside observers. When gas welding or burning is suspended for an indefinite period of time, the gas supply is to be shut off at the cylinders and the torch removed from the vessel.

The SSO will execute work permits, and a copy of this document is included.

B.12.11 Try Procedure

Prior to starting dismantlement, efforts to start process equipment locked and tagged will be made by the SS and/or SSO.

B.12.12 Permit System

Entry into a permit-required confined space normally requires a permit specific to that particular entry. Exceptions to that rule include projects that largely consist of dedicated confined space entry such as

when an enclosure has been constructed over the project. The permit is an authorization and approval in writing that specifies the location and type of work to be done, and certifies that all existing hazards have been evaluated by the SSO, and necessary protective measures have been taken to insure the safety of each worker. The permit shall be dated and carry an expiration time that will be valid for one shift only. The permit shall be updated for each shift with the same requirements. The permit should be filled out completely, all questions should be answered, where the questions are "not applicable" then "NA" should be filled in for those questions. Entry into the confined space cannot be executed until all questions are addressed and all required signatures are obtained.

A copy of the Confined Space Permit and Diagram Form is included.

IMPACTED AREA WORK PERMIT

Project Name:

Date:

Site Supervisor:

Welder's Name:

Description of Work:

Estimated Length of Task:

Visual inspection of Site for combustible materials completed.

Yes No

All combustible materials removed or protected from heat source.

Yes No

Confined spaces checked for flammable gases.

Yes No

Fire Watch

Name:

Flame/Heat Resistant Clothing Worn

Yes No

Eye Protection Adequate

Yes No

Fire Extinguishers

Size and Type:

Other Project Workers notified of work

Yes No

Signature of Site Supervisor:

copy to be retained in permanent project file

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Confined Space Entry Permit Date: _____
 Customer: _____ Customer Address: _____ Project #: _____
 General Job Location: _____ Tank or Vessel I.D.: _____
 Describe Material in Space: _____
 Description of Work Planned: _____

TIME	LEL %	OXYGEN %	BENZENE (PPM)	TOLUENE (PPM)	XYLENE (PPM)	(PPM)	(PPM)	(PPM)	INITIAL

CHECKLIST	INITIAL		Personal Protective Equipment
	Yes	N/A	
All lines to and from confined space have been blinded or disconnected			EYES chemical goggles safety glasses Face shield
Electrical services disconnected or locked out			
All grounding and bonding cables in place			
All lighting, fittings and cords are approved explosion-proof equipment			EXTREMITIES Gloves boots (pvc/neoprene)
Ground fault circuit indicator operational			
All ignition sources isolated			
Breathing supply and alarms in proper condition			BODY hvy suit (pvc/neoprene) Saranex suit tyvek suit: white-yellow
Respiratory supply system in proper condition			
All safety harnesses and lifelines in proper condition			
All required protective clothing, gloves, boots, etc. used			
Employees trained in the use, care and limitations of PPE			RESPIRATORY:
Outside safety watch trained in emergency procedures and resuscitation			
Vessel contains leaded product			airline respirator
Emergency systems (air packs, fire extinguishers, etc) ready for use			airline w/egress
Special warning signs posted			cartridge type:
Ventilation system in use			Hearing Protection
No facial hair, eye glasses preventing respirator seal incl. standby observer			
No contact lenses in an atmosphere where respirator is needed			Lifeline and Harness

DIAGRAM THE CONFINED SPACE. INDICATE THE LOCATION OF MANWAYS AND VENTILATION. INDICATE THE LOCATIONS WHERE TESTS WERE CONDUCTED.

VIEW FROM TOP (INDICATE NORTH)	VIEW FROM SIDE
() MANWAYS (00) VENTILATOR	X-TEST LOCATION

THIS LOG OF INSPECTIONS AND TESTS FOR PERMIT TO ENTER A CONFINED SPACE IS APPLICABLE AND VALID ONLY FOR ONE SHIFT ONLY FOR THE EMPLOYEES DESIGNATED BELOW:

EMPLOYEES ASSIGNED (PRINT NAME)

ATTENDANT PERSONNEL ASSIGNED

QUALIFIED PERSONNEL:

SUPERVISOR NAME: _____

DATE: _____

SIGNATURE: _____

CLOSEOUT DATE: _____

Attachment 1 to Appendix B

Basic Radiation Safety Training

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ATTACHMENT 1
BASIC RADIATION SAFETY TRAINING

I. INTRODUCTION

This Basic Radiation Safety and Training document was developed on behalf of GTE Operations Support Incorporated (GTEOSI) for use at the Hicksville, New York Project. This document was developed to provide Site workers with a level of training and project understanding to work safely in this radiological environment. The intent of the program is NOT to provide a substitute or certification for training in adherence to the Radiological Worker Training Program as defined by the Department of Energy.

A. Purpose

1. Understanding radiation and radiation risks
2. Understanding terminology
3. Understanding biological effects of radiation
4. Put radiation risks in perspective
5. Familiarity with radiation detection instrumentation
6. Understanding radiation safety regulations
7. Familiarity with occupational exposures to radiation
8. Understanding the problem of indoor radon

B. Content

1. Basic radiation physics
2. Terminology and units
3. Biological effects
4. Sources of radiation exposure
5. Principal methods of detection
6. Radiation safety regulations
7. Typical occupational exposures and basic radiation safety techniques
8. Origin and health effects of radon and its progeny

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II. NATURE OF RADIOACTIVITY

A. Structure of the Atom - Review

1. Basic particles: protons, neutrons, electrons
2. Nucleus: protons + neutrons
3. Electrons in orbit around nucleus

B. Terminology and Shorthand

1. Atomic number (Z) = number of protons
2. Atomic mass (A) = number of nucleons (protons + neutrons)
3. Terminology and abbreviations

$^{12}_6\text{C}$ carbon 6 protons + 6 neutrons

$^{14}_6\text{C}$ carbon 6 protons + 8 neutrons

$^{238}_{92}\text{U}$ uranium 92 protons + 146 neutrons

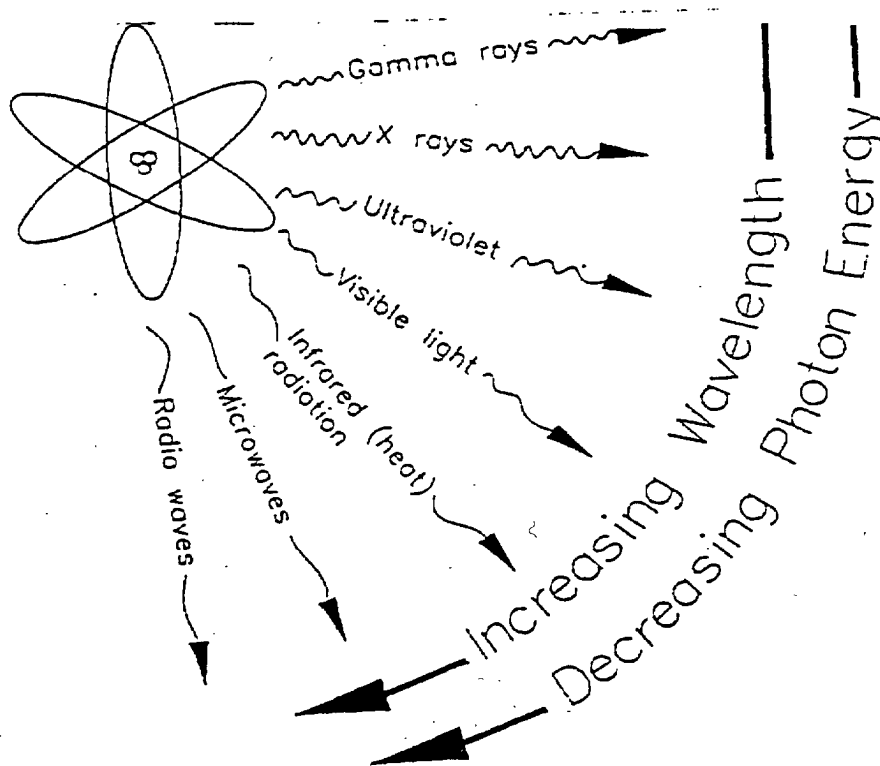
C. Radioactivity (Figures 1, 2, and 3)

1. When the nucleus of an atom has excess energy it gets rid of it by emitting radiation - radioactive decay.
2. Line of stability
3. Types of ionizing radiation
 - a.) Particulate
 - i.) Alpha particles - ^4He nuclei
 - ii.) Beta particles - electrons/positrons originating from nucleus
 - b.) Electromagnetic
 - i.) Gamma photons - originate from nucleus
 - ii.) X-rays - originate from outside nucleus
 - Bremsstrahlung
 - Characteristic x-rays
 - c.) Neutrons

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Radiation Type	Mass (amu)	Charge	Energy Distribution Range	Penetrability	Specific Ionization (ip/ μ m)
Alpha (α)	4	+2	Monoenergetic 4-8 MeV	Low	4000
Beta (β)	0.000549	-1 +1	Spectral 0.018-2.3 MeV	Moderate	10-100
Gamma (γ)	0	0	Monoenergetic 0.1-3 MeV	High	N/A
X-ray	0	0	Spectral <50 keV -2 MeV	High	N/A

Figure 1. Electromagnetic Spectrum



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Figure 2. Line of Stability

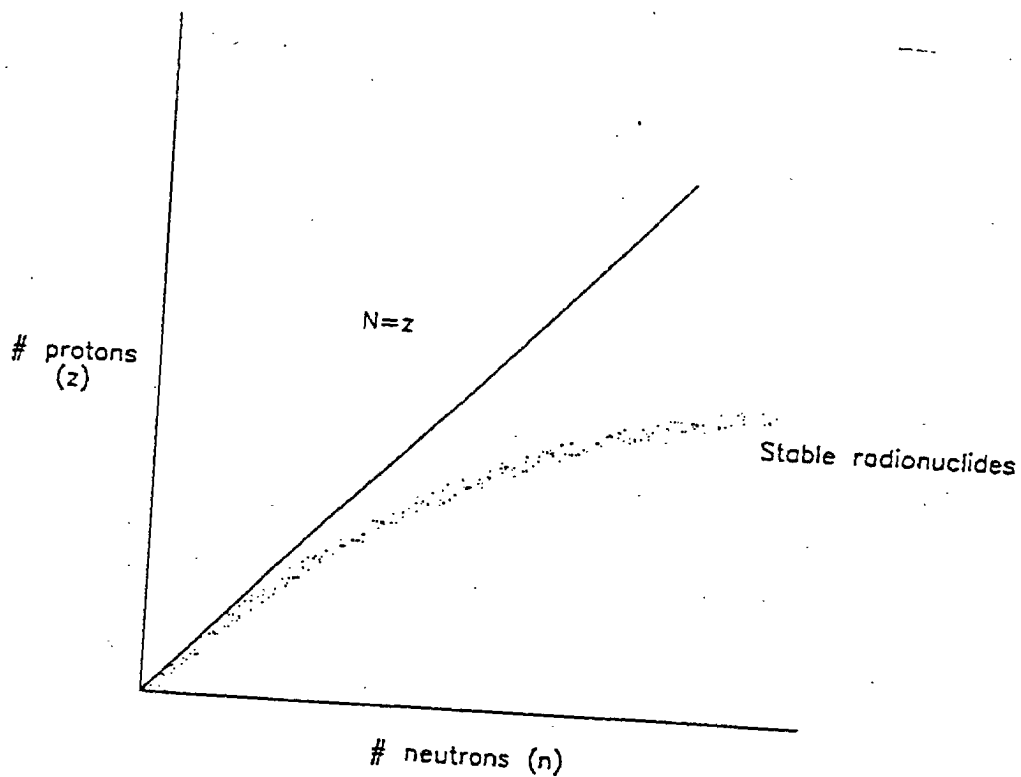
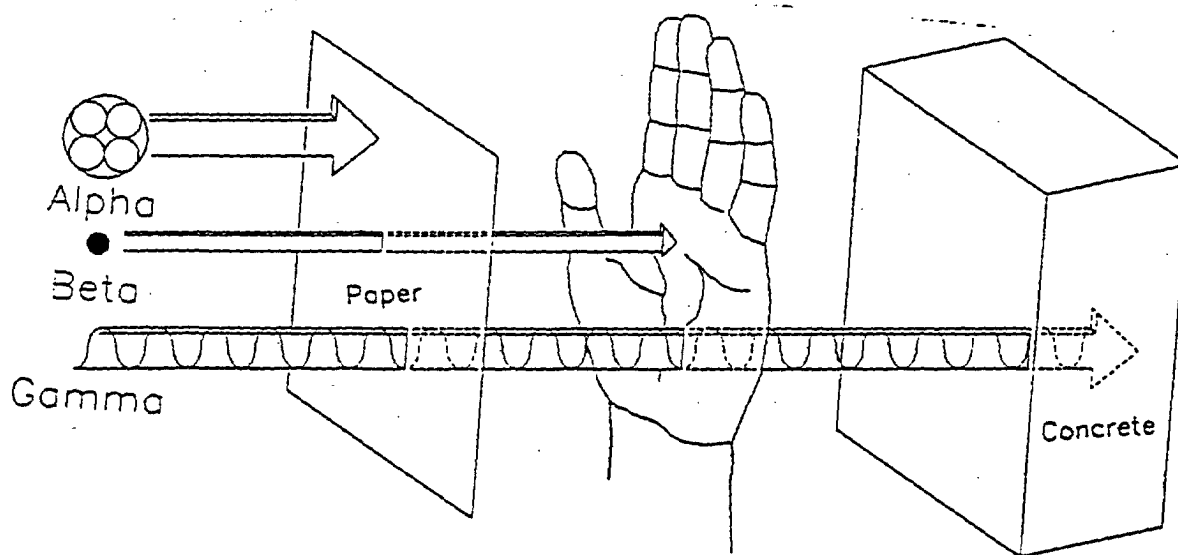


Figure 3. Penetrability of Different Types of Radiation



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D. Characteristics of Different Types of Radiation

Determine biological effects and usefulness as well as methods of detection

1. Alpha particles - high energy; low penetrability; can be stopped by a sheet of paper or layer of dead skin cells.
2. Beta particles - moderate penetrability; several centimeters to several meters in air; less than one centimeter in tissue.
3. Gamma photons and X-rays - very penetrating; lead or concrete can be used to shield them.

E. Radioactive Decay

Radioactive decay is a random process. The probability of any radioactive atom decaying in a given period is defined as the *decay constant*. While it is impossible to predict when any one radioactive atom will decay, it is possible to predict the fraction of atoms that will decay in any given time interval.

$$-dN/dt = \lambda N \quad \text{where } \lambda = \text{decay constant}$$

$$A = -dN/dt$$

$$-dN/dt = \lambda N$$

$$-\int dN/N = \lambda \int dt$$

$$\ln N = -\lambda t + I \quad \text{where } I = \text{constant of integration}$$

$$\text{at } t = 0 \quad I = \ln N_0$$

$$\ln N = -\lambda t + \ln N_0$$

$$\ln N - \ln N_0 = -\lambda t$$

$$\ln N/N_0 = -\lambda t$$

$$N/N_0 = e^{-\lambda t}$$

F. Half-life

The half-life is the time it takes for half of the radioactive atoms present to decay.

$$\ln N/N_0 = \ln 0.5 = -\lambda T_{1/2}$$

$$\ln 0.5 = -0.693 = -\lambda T_{1/2}$$

$$T_{1/2} = 0.693 / \lambda$$

Half-life is characteristic of a given radionuclide and cannot be changed by chemical or physical means.

Half-lives of common radionuclides:

^{238}U	4.5 billion years
^{239}Pu	24,000 years
^{14}C	5,700 years
^{226}Ra	1,600 years
^3H	12.3 years

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^{222}Rn	3.8 days
^{214}Po	0.000164 seconds

G. Typical Decay Equations, Characteristics

1. Particulate

- a. α decay $^{238}\text{U} \Rightarrow ^{234}\text{Th} + ^4\text{He} (\alpha)$
- b. β decay $^{14}\text{C} \Rightarrow ^{14}\text{N} + \beta$

2. Electromagnetic

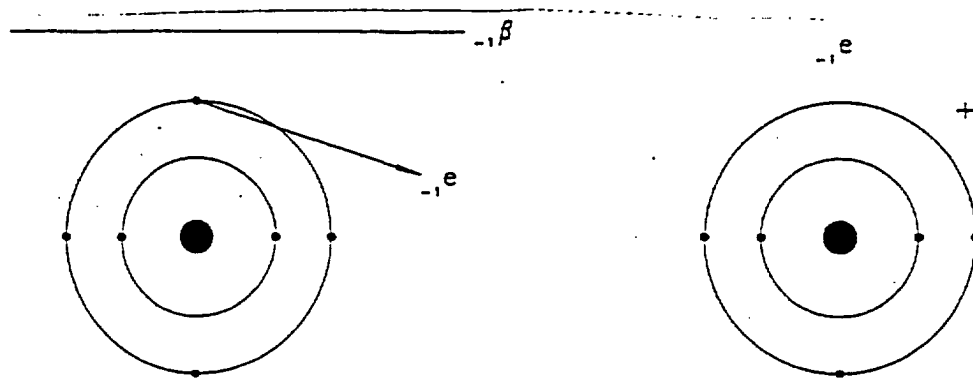
- a. γ $^{214}\text{Bi} \Rightarrow ^{214}\text{Po} + \beta + \gamma$
- b. X-ray
 - 1. Characteristic - results from change in orbital electron shell reconfiguration following particulate decay.
 - 2. Bremsstrahlung ("braking radiation") - results from reduction in energy of free electron as it passes in vicinity of nucleus and bound orbital electrons.

H. Interaction of Radiation With Matter (Figures 4 and 5)

- 1. Charged Particle (Particulate)
 - a.) Excitation - electrons raised to excited state
 - b.) Ionization - electrons stripped from the atom to form ion pair
- 2. Electromagnetic radiation interactions with matter
 - a.) Photoelectric interaction
 - b.) Compton interaction
 - c.) Pair production

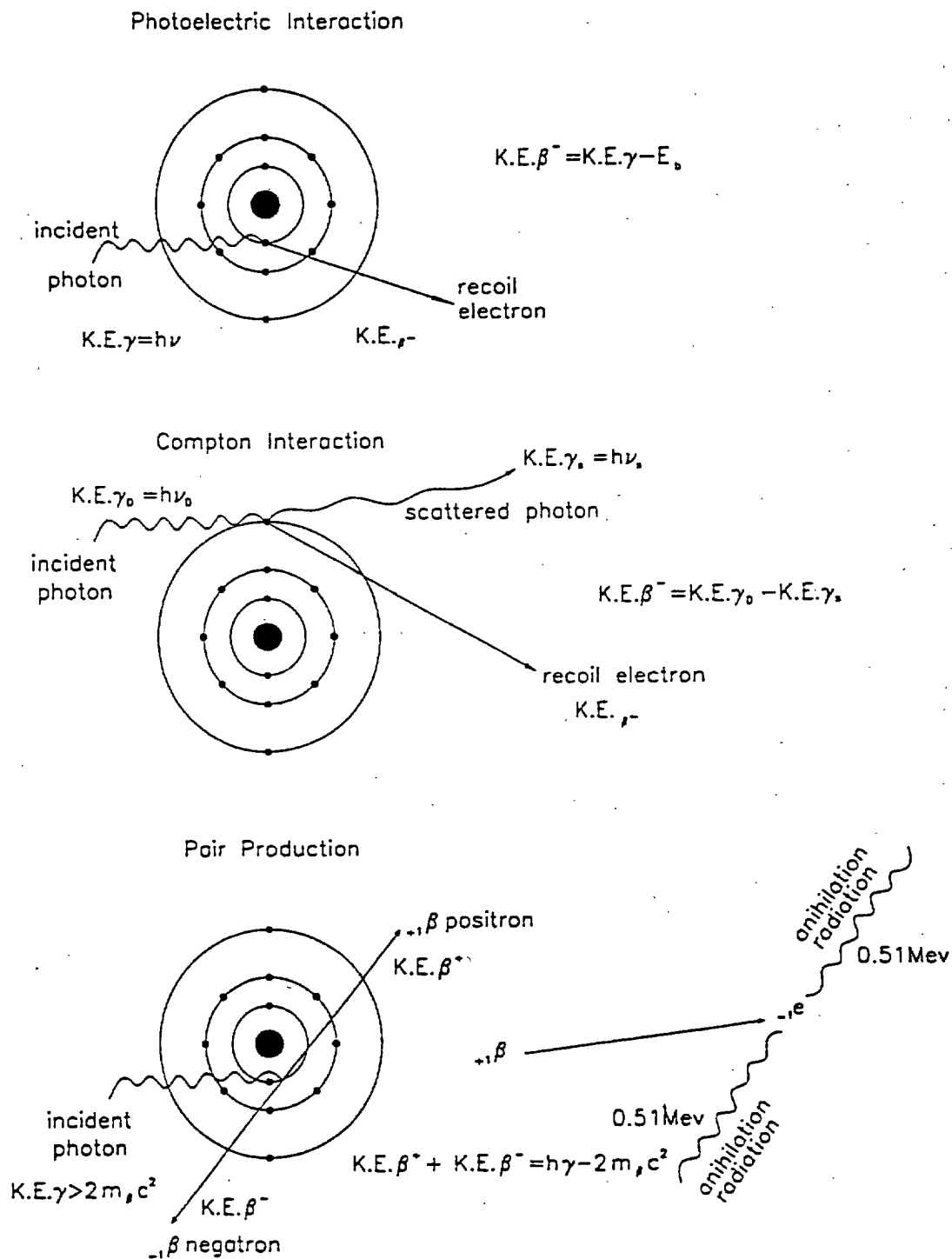
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Figure 4. Particulate Radiation Interaction with Matter



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Figure 5. Electromagnetic Radiation Interaction with Matter



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III. TERMS AND UNITS OF RADIATION

A. Definitions

Radiation <ionizing radiation> - alpha particles, beta particles, gamma rays, x-ray, neutrons, high-speed electrons, high-speed protons, and other particles capable of producing ions. *Radiation*, as used in this document, does not include non-ionizing radiation, such as radio- or microwaves, visible, infrared, or ultraviolet light.

Gray (Gy) - the SI unit of *absorbed dose*. One gray is equal to an *absorbed dose* of 1 J/kg (100 rads).

Rad (rad) - the special unit of *absorbed dose*. One rad is equal to an *absorbed dose* of 100 ergs/g or 0.01 J/kg (0.01 gray).

Rem (rem) - the special unit of any of the quantities expressed as *dose equivalent*. The *dose equivalent* in rems is equal to the *absorbed dose* in rads multiplied by the *quality factor* (1 rem = 0.01 sievert).

Sievert (Sv) - the SI unit of any of the quantities expressed as *dose equivalent*. The *dose equivalent* in sievert is equal to the *absorbed dose* in grays multiplied by the *quality factor* (1 sievert = 100 rems).

Stochastic Effects - health effects that occur randomly and for which the probability of the effect occurring, rather than its severity, is assumed to be a linear function of the *dose* without threshold. Hereditary effects and cancer incidence are examples of *stochastic effects*.

Nonstochastic Effects - health effects, the severity of which vary with *dose*, and for which a threshold is believed to exist. Radiation-induced cataract formation is an example of a *nonstochastic effect* (also called a deterministic effect).

Activity (A) - rate of disintegration (transformation) or decay of radioactive material. The units of *activity* are the curie (Ci) and the becquerel (Bq).

Exposure (X) - being exposed to ionizing radiation or radioactive material.

Dose or Radiation Dose - a generic term that means *absorbed dose*, *dose equivalent*, *committed dose equivalent*, *effective dose equivalent*, *committed effective dose equivalent*, or *total effective dose equivalent*, as defined below.

Absorbed Dose (D) - the energy imparted by ionizing radiation per unit mass of irradiated material. The units of *absorbed dose* are the rad (rad) and the Gray (Gy).

Quality Factor (Q) - the modifying factor that is used to derive *dose equivalent* from *absorbed dose*.

Dose Equivalent (H_T) - the product of the *absorbed dose* (in tissue medium), *quality factor*, and all other necessary modifying factors at the location of interest. The units of *dose equivalent* are the rem and the sievert.

Weighting Factor (w_T) - the proportion of the risk for an organ or tissue (T) of *stochastic effects* resulting from irradiation of that organ or tissue, to the total risk of *stochastic effects* when the whole body is irradiated uniformly.

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Committed Dose Equivalent ($H_{T,50}$) - the dose equivalent to organs or tissues of reference (T) that will be received, from an intake of radioactive material by an individual, during the 50-year period following the intake.

Effective Dose Equivalent (H_E) - the sum of the products of each dose equivalent (H_T) to an organ or tissue (T) and the applicable organ or tissue weighting factor.

Committed Effective Dose Equivalent ($H_{E,50}$) - the sum of the products of the weighting factor applicable to each organ or tissue (T) irradiated and the committed dose equivalent applicable to each organ or tissue.

Deep-dose Equivalent (H_d) - the dose equivalent at a tissue depth of 1 cm (1000 mg/cm²); applies to external whole-body exposure.

Total Effective Dose Equivalent (TEDE) - the sum of the deep-dose equivalent (H_d) for external exposures and the committed effective dose equivalent ($H_{E,50}$) for internal exposures.

B. Units of Activity

1. Curie (Ci) = 3.7×10^{10} disintegrations-per-second (dps) = 3.7×10^{10} becquerel (Bq)

millicurie (mCi) = 3.7×10^7 dps

microcurie (μ Ci) = 3.7×10^4 dps

picocurie (pCi) = 0.037 dps

2. Becquerel = 1 dps = 2.7×10^{-11} Ci

3. Useful Conversion Factors

1 pCi = 0.037 Bq = 2.22 disintegrations-per-minute (dpm)

1 Bq = 27 pCi = 60 dpm

C. Units of Exposure - Roentgen - Charged Produced in Air Due to Radiation

1. Roentgen applies only to x-rays and gamma radiation
2. Roentgen (R) = 2.58×10^4 coulombs/kg in dry air

D. Units of Absorbed Dose (D) - Energy of the Radiation Absorbed in a Medium

(In radiation safety, the medium generally considered is tissue.)

1. 1 rad = 100 ergs/g
2. 1 Gy = 1 J/kg
3. 1 Gy = 100 rads

E. Units of Dose Equivalent (H_T)

1. $H_T = D \times Q \times n$

where n is a modifying factor which is rarely used

a.) rem = rad x Q

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b.) $Sv = Gy \times Q$

2. Quality Factors

Type of Radiation	Quality Factor (Q)	Dose Equivalent of Absorbed Dose (D) =1 ($H_T = D \times Q$)
X-ray, γ , β radiation	1	1
α particles, multiple-charge particles, fission fragments, heavy particles of unknown charge	20	20
Neutrons of unknown energy	10	10
High-energy protons	10	10

F. Effective Dose Equivalent (H_E)

- $H_E = H_T \times w_T$
- Weighting Factor (w_T)** - varies according to the organ affected and is a measure of the sensitivity of a particular organ. The risk of fatality due to radiation is less if only one organ is irradiated compared to the risk if the whole body is irradiated.

Organ or Tissue (T)	w_T
Gonads	0.25
Breast	0.15
Red Bone Marrow	0.12
Lung	0.12
Thyroid	0.03
Bone Surfaces	0.03
Remainder ⁽¹⁾	0.30
Whole Body	1.00

⁽¹⁾ 0.30 results from 0.06 for each of the five "remainder" organs (excluding the skin and lens of the eye) that receive the highest doses.

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III. RADIATION BIOEFFECTS

A. Radiation Exposure

1. External - source of radiation remains outside the body as with medical x-rays.
 - a.) α Particles - because they cannot penetrate the layer of dead skin cells, alpha particles are not typically a hazard outside the body.
 - b.) β Particles - can cause damage to the skin from outside the body but cannot reach other major organs.
 - c.) γ - and x-rays - can penetrate to any part of the body to cause damage to major organs.
2. Internal - radioactive material inside the body
 - a.) Routes of entry
 - i.) Inhalation - most common
 - ii.) Ingestion - common
 - iii.) Absorption through the skin - less common
 - iv.) Injection - least common
 - b.) Deposition in body organs depends on the nuclide and chemical form; is generally independent of radiological characteristics.
 - c.) Alpha particles are approximately 20 times more hazardous ($Q=20$) than beta particles and gamma photons per unit of energy absorbed.
 - i.) High Linear Energy Transfer (LET) (high concentration of ion pairs)
 - ii.) Greater concentration of damage to cells in a small volume of tissue

B. Cellular Effects of Radiation Dose

1. None - incident radiation has no interaction/effect in cell
2. Cell Repair - cell completely repairs damage
3. Cell Killing - cell is damaged to the extent that it cannot reproduce
4. Cell Transformation - cell is damaged but retains the ability to reproduce; mechanisms that control cell replication may be damaged so that cell divides in an uncontrolled fashion

C. Acute Effects of Radiation Dose

1. Types of exposures
 - Chernobyl firemen
 - Nuclear war
 - Criticality accidents
 - Other accidents (Brazil, Mexico, etc.)
2. Acute radiation sickness - cell killing
 - a.) Hematopoietic syndrome
 - b.) Gastro-intestinal syndrome
 - c.) Central Nervous System (CNS) effects
3. Effect of fractionation of dose

D. Chronic Effects of Low Level Radiation Dose (Figures 6 and 7)

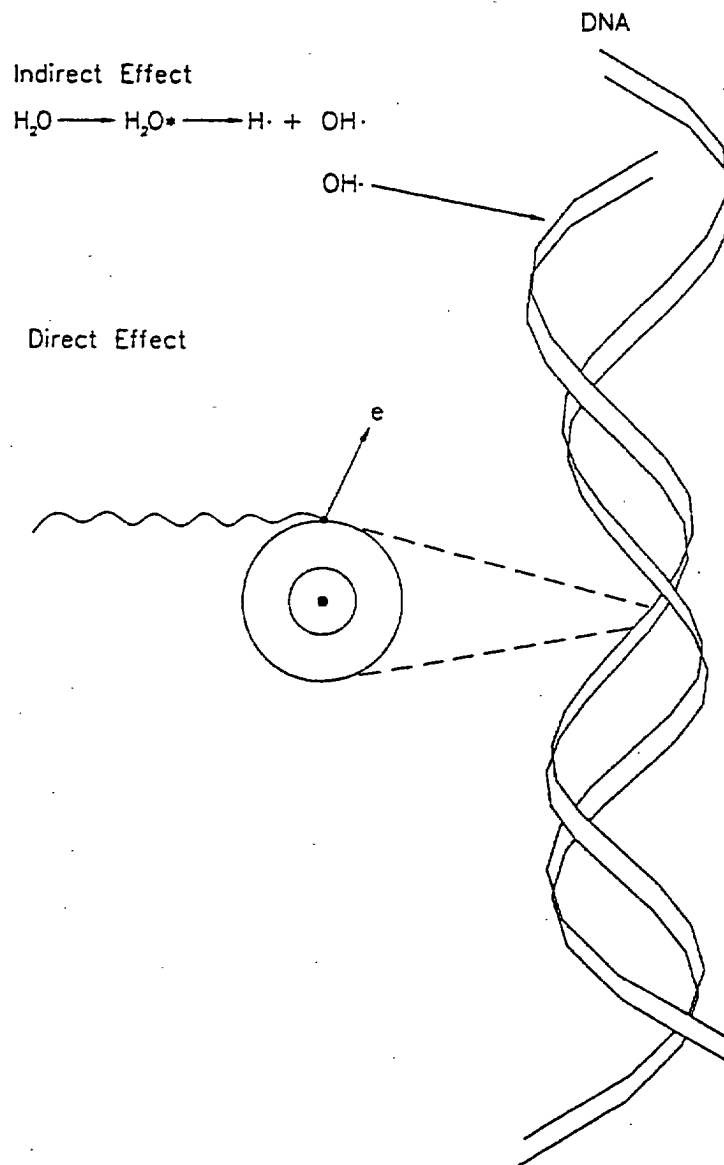
1. Chronic effects of radiation have not been observed in human populations
 - a.) Inferred from animal studies
 - b.) Epidemiological studies of populations exposed at relatively high radiation levels
 - i.) Hiroshima and Nagasaki
 - ii.) Medically irradiated patients
2. Increased risk of cancer is the principal concern with chronic exposure to radiation
 - a.) Mechanism - radiation damages the cell and causes it to reproduce in an uncontrolled manner.
 - b.) Dose response relationship - it is assumed that the increase in cancer risk is a linear function of incremental dose (linear-non-threshold assumption).
 - c.) Risk estimates based on studies of Hiroshima and Nagasaki survivors.
3. Genetic effects
 - a.) Genetic effects have not been observed in human populations but have been inferred from animal studies.
 - b.) British studies have shown an increased risk of childhood leukemia among children whose fathers worked in a nuclear plant. However, this effect has not been seen in other populations such as the A-bomb survivors and individuals in areas with abnormally high background radiation levels. Most experts in radiation safety generally discount this effect.
 - c.) Current wisdom: Genetic effects are not as significant as once believed to be.

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4. Effects on the fetus

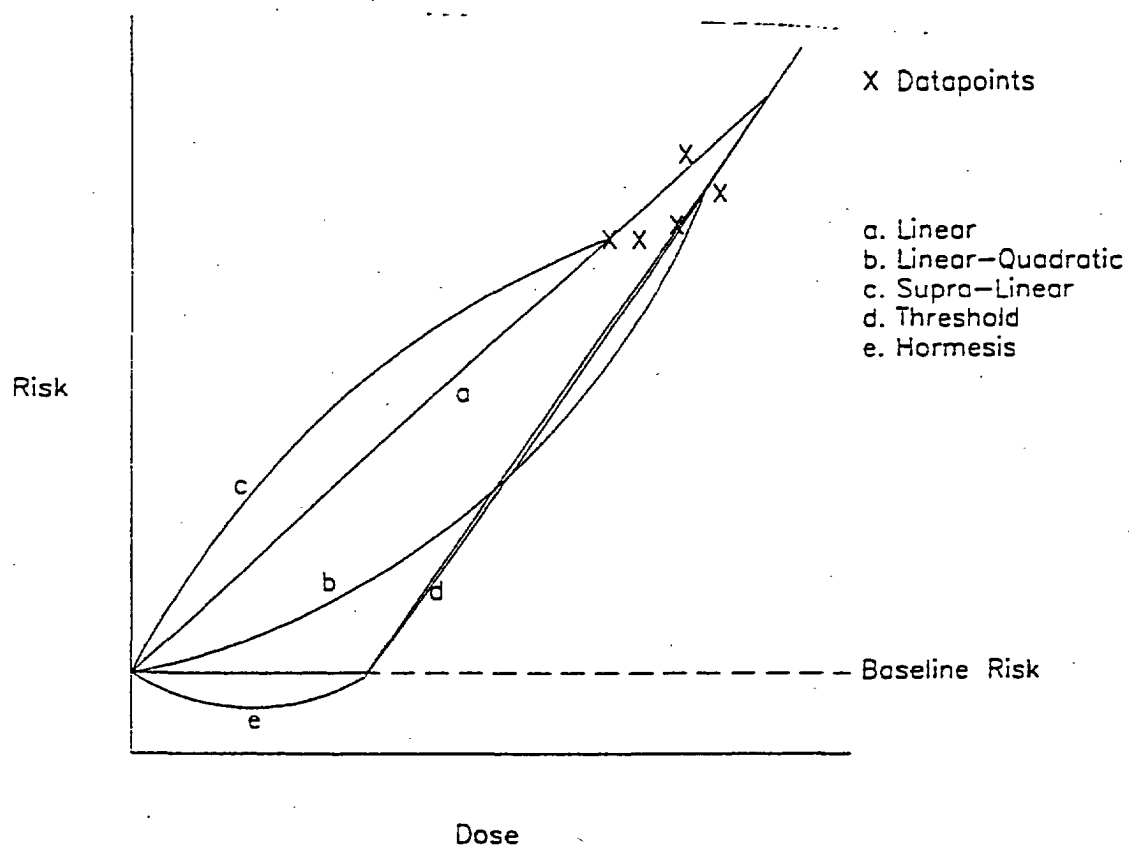
- a.) Birth defects seen at Hiroshima and Nagasaki at relatively high radiation doses (10-50 rads).
- b.) Increased risk of childhood leukemia among children irradiated in utero.
- c.) Increased risk of spontaneous abortion seen in female veterinary personnel who used diagnostic x-rays in their practices during pregnancy (two studies).

Figure 6. Direct and Indirect Effects of Radiation on Cells



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Figure 7. Radiation Dose Response Models



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IV. SOURCES OF RADIATION

A. Natural Background

Radiation has been a part of the environment since the world was formed. It comes from earth's crust, outer space, and internally deposited, naturally occurring radionuclides.

1. Cosmic Radiation - Comes from outer space; levels increase with altitude because there is a thinner blanket of atmosphere to absorb the radiation.

Levels in Denver are twice the national average

Levels in Leadville are twice the levels in Denver.

2. Terrestrial Radiation - naturally occurring radionuclides in the earth's crust.

a.) Uranium series

b.) Thorium series

c.) ^{40}K

3. Internal radiation

a.) Uranium series

b.) ^{40}K

c.) Other radionuclides (^3H , ^{14}C , etc.)

B. "Man-made" Radiation

1. Fallout from nuclear bomb testing and nuclear accidents
2. Medical x-rays
3. Consumer products - smoke detectors, TV screens, lenses
4. Reactors

C. Technologically Enhanced Radiation

Natural radioactivity which has been brought to the surface or used in a way which increases radiation dose to people.

1. Uranium mill tailings and other mining and milling waste
2. Indoor radon - shelter, energy conservation

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D. Natural Background Radiation Levels

1. Background radiation levels depend on the location of residence, life-style factors.

Radiation Type	Average Annual Background Dose (mrem/yr)	
	U. S. Average	Denver
Cosmic	28	50
Terrestrial	28	82
Internal	39	39
Indoor Radon	200	400
Total	295	571

2. Other doses from natural background
 - a.) Cross-country airplane flight - 2 mrem
 - b.) One week of skiing at 10,000 ft. - 1 mrem
 - c.) Living at 6,000 ft. rather than 5,000 ft. - 7 mrem/yr
 - d.) Cigarette smoking: 1,300 mrem/yr

E. Typical Medical X-rays

1. Annual average - 50-100 mrem/yr
2. Chest x-ray - 10 mrem
3. Dental x-ray series - 5-10 mrem

F. Environmental and Occupational Doses

1. Mean for radiation worker - 100-200 mrem/yr
2. Limit for radiation worker - 5,000 mrem/yr
3. Excess Dose at the boundary of Rocky Flats - 1 mrem/yr

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V. COMPARISON OF VARIOUS LEVELS OF RADIATION DOSE

A. Acute Dose

1. Acute Radiation Sickness
 - a.) Blood abnormalities observed - 50-100 rad
 - b.) LD₅₀: 300-350 rad
 - c.) Acute radiation sickness
 - i.) Hematopoietic syndrome - >100 rad
 - ii.) GI tract syndrome - >300 rad
 - iii.) CNS effects - 1,000 rad
2. Fractionated doses or partial body irradiation reduces the severity of acute effects

B. Chronic Doses

1. Typical natural background: 0.2-0.3 rem/yr (including indoor radon)
2. Typical diagnostic x-rays: 0.01-1 rem
3. Maximum permissible dose to worker - 5 rem/yr
4. Maximum allowable dose to a member of the general public: 0.1 rem/yr
5. Maximum allowable dose to the fetus: 0.5 rem
6. Indoor radon: 0.1-10+ rem/yr
 - Average U.S.: 0.2 rem/yr
 - Average Colorado: 0.4 rem/yr

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VI. RADIATION RISKS

A. Fatal Cancer

Risk coefficient calculated on the basis of Hiroshima and Nagasaki studies = 8×10^{-4} per rem

Risk coefficient adjusted for dose-rate effectiveness and non-fatal detriments = 6.2×10^{-4} per rem.

B. Genetic Effects (in first two generations)

1×10^{-4} per rem

C. Risk in Perspective

Estimated annual risk of fatality due to common activities

All risks from smoking	$3.0 \text{ in } 10^3$
Cancer risk from smoking	$1.2 \text{ in } 10^3$
Work in agricultural jobs	$6.0 \text{ in } 10^4$
Motor vehicle accidents	$2.4 \text{ in } 10^4$
Home accidents	$1.1 \text{ in } 10^4$
Work in service and government jobs	$1.1 \text{ in } 10^4$

Average lifetime risk from one year of exposure:

Indoor radon	
Smoker	$2.0 \text{ in } 10^4$
Non-smoker	$3.0 \text{ in } 10^5$

Natural background (excluding radon)

Colorado	$7.0 \text{ in } 10^5$
U.S. Average	$4.0 \text{ in } 10^5$

EPA acceptable risk level for environmental contaminants (lifetime risk of 1 in 1,000,000)

Annual acceptable risk	$2.0 \text{ in } 10^8$
------------------------	------------------------

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VII. RADIATION DETECTION

A. Gas Ionization (Figures 8 and 9)

Incident radiation produces ions in a gas; electrons are collected on an anode to produce an electrical pulse or a current.

1. Ionization Chambers - all ions produced directly by the radiation are collected on the anode to produce a pulse that is equal to the amount of energy deposited in the chamber. Pulse can be converted to current.
2. Proportional Counters - when the voltage on the anode is great enough, the electrons produced initially by the radiation may be given sufficient energy to cause "secondary" ionization.

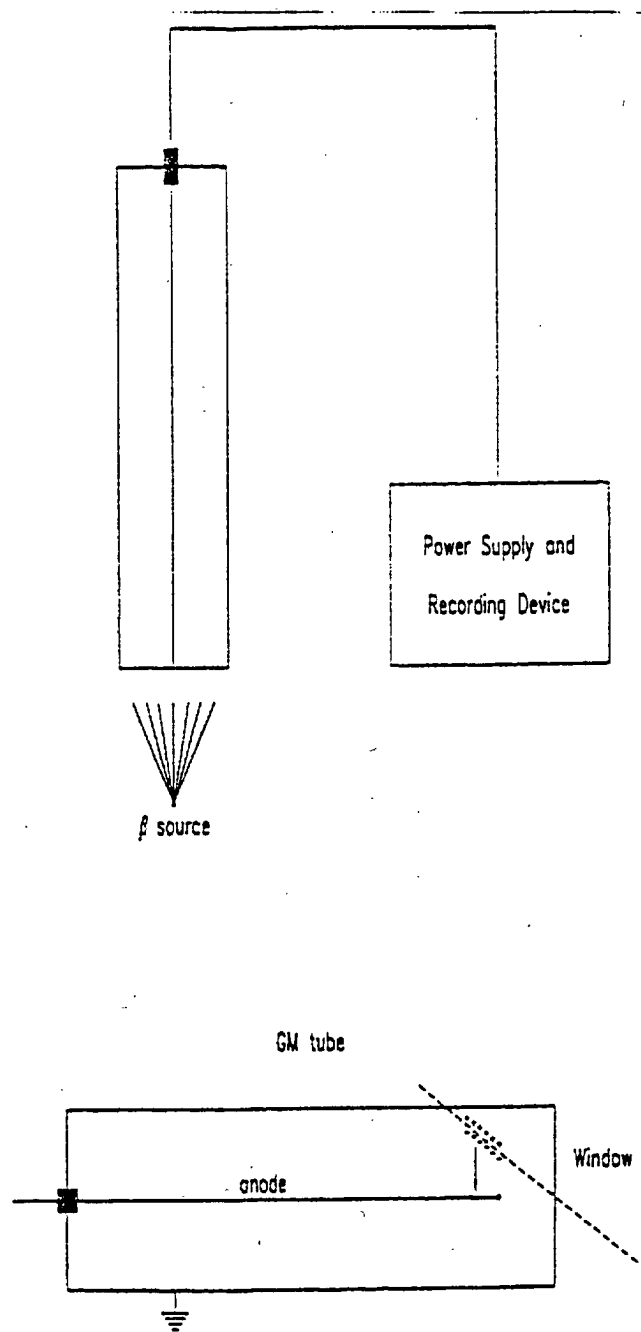
With proportional counters, alpha particles can be detected in the presence of betas.

3. GM Counters - when the voltage on the anode is high enough, the chamber may be saturated. That is, the size of the pulse is independent of the energy initially deposited in the chamber or tube by the radiation. As long as one ion pair is formed in the tube, the size of the pulse will be equal to the maximum. GM counters cannot discriminate between different types of radiation.

GM counters are much more efficient for detecting betas than gammas and are usually used for detecting and quantifying surface contamination or activity of a sample.

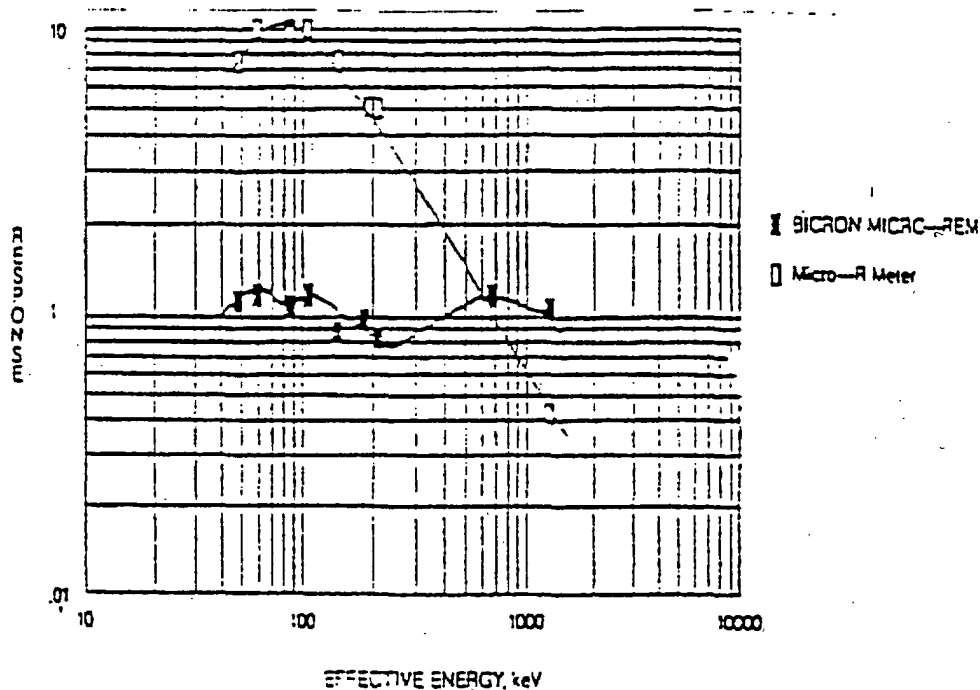
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Figure 8. Radiation Detection by Gas Ionization



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Figure 9. Log Scale Efficiency Chart



B. Scintillation (Figures 10, 11, 12 and 13)

Electrons in a crystal exist in a specific energy state (ground state) unless they are excited to a higher energy level. Radiation passing through a crystal can raise crystal electrons to the excited state in proportion to the amount of energy deposited in the crystal.

When excited electrons in certain crystals drop back down to the ground state they release light photons. These photons can be converted to an electrical pulse by the use of a photomultiplier tube. The size of the pulse is directly proportional to the amount of energy absorbed by the crystal.

1. Gamma and X-ray Survey Meters (NaI crystals)
 - a.) Gamma scintillometer - moderate to high energy gammas and x-rays
 - b.) Thin crystal scintillometers - low energy x-rays and gammas
2. Alpha Survey Meters (ZnS Crystal)
3. Gamma Spectrometers (NaI Crystals)
4. Liquid Scintillation Counters

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C. Personal Monitors

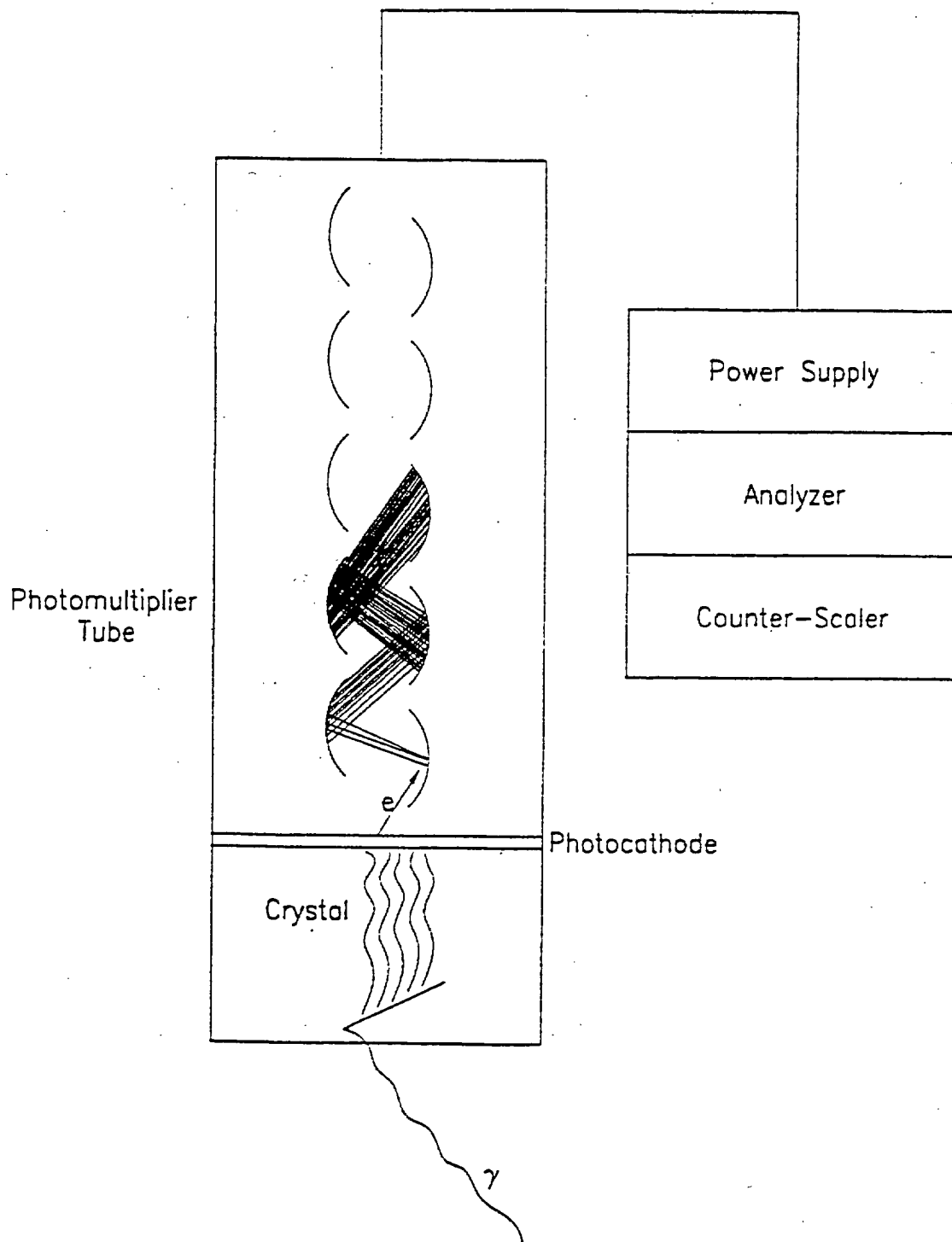
1. Purpose
 - a. Integrated measurement of radiation doses from various types of radiation
 - b. Provide documented radiation exposure records
2. Types
 - a. Film Badges - α , β , n
 - b. Thermoluminescent Dosimeters (TLDs) - γ , X-ray, n
 - c. Workspace/Breathing Zone Air Particulate Detectors - various emissions; physical collection medium

D. Semi-Conductors

1. GeLi Detectors - γ Spectroscopy
2. Surface Barrier Detectors - α Spectroscopy

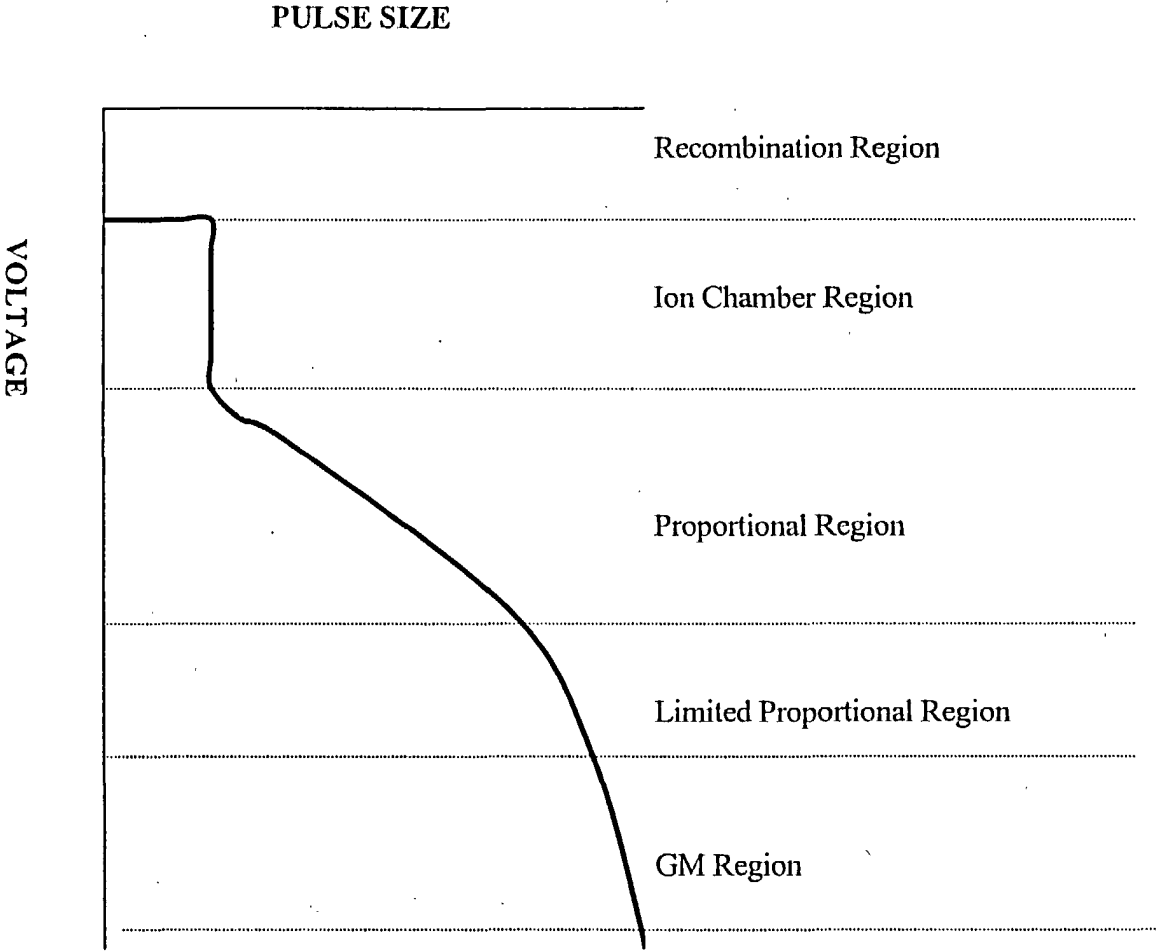
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Figure 10. Radiation Detection by Scintillation



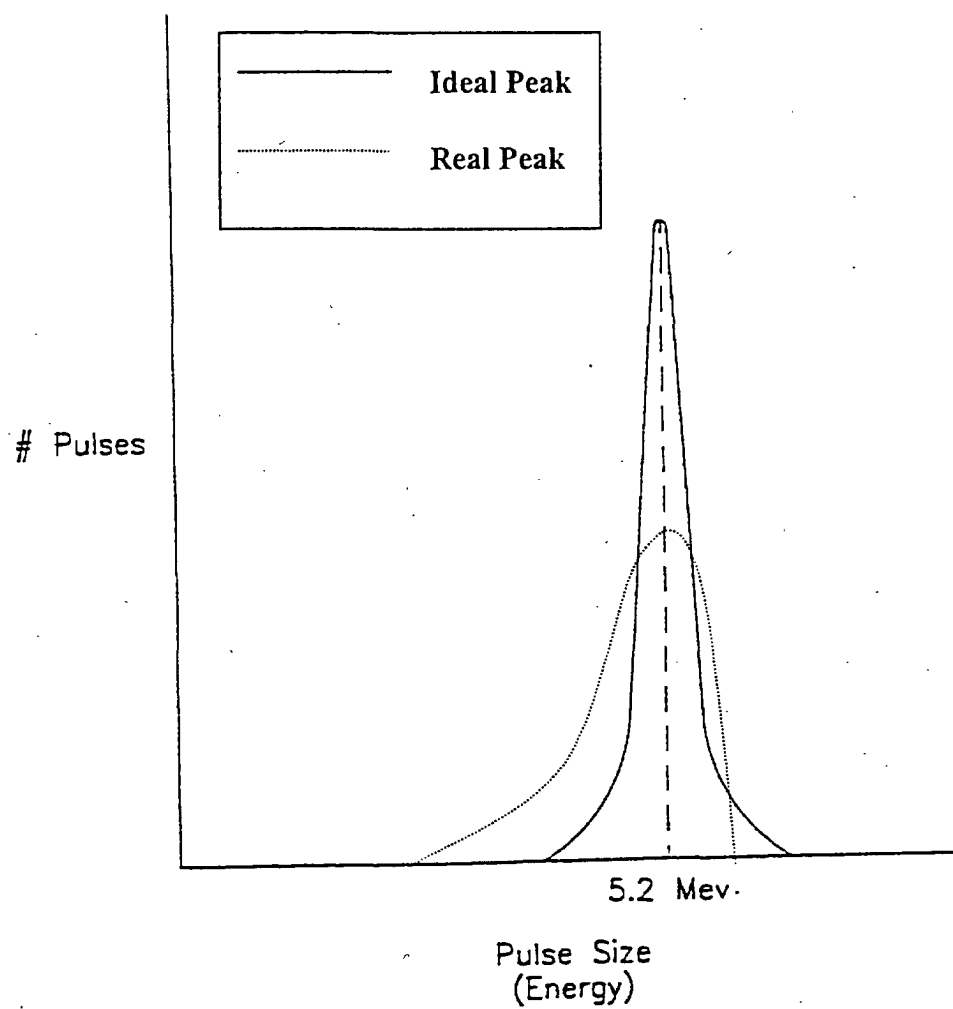
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Figure 11. Pulse Size versus Voltage



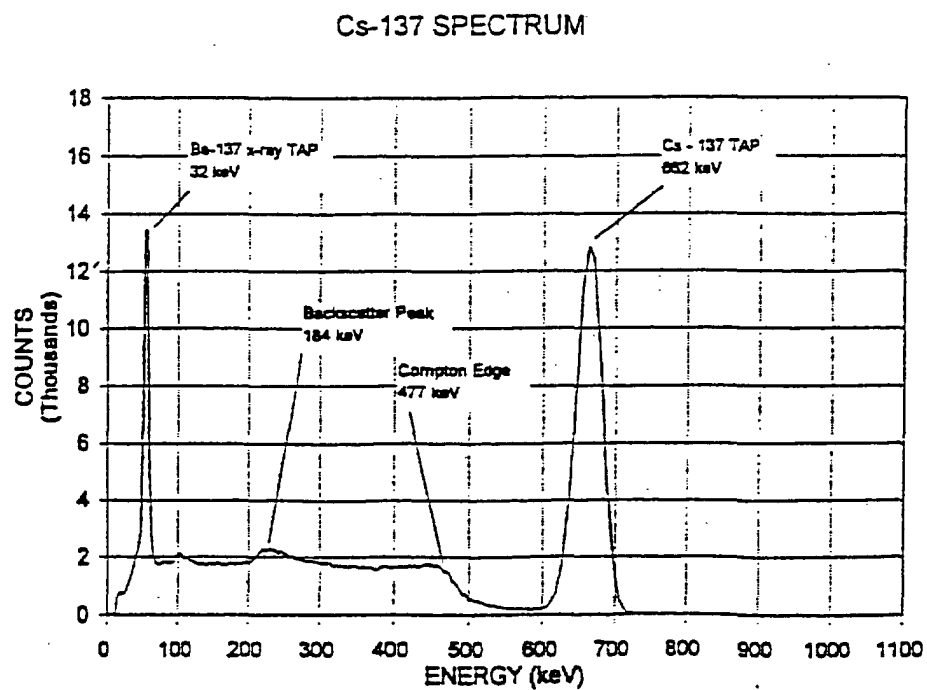
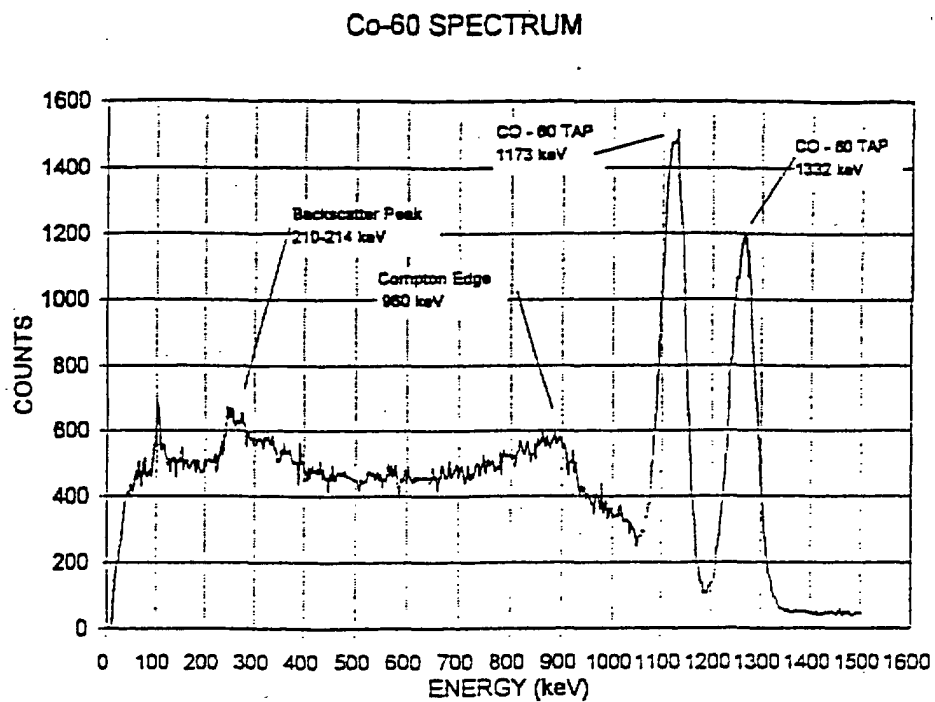
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Figure 12. Typical Alpha Spectrum



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Figure 13. Typical Gamma Ray Spectrum



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IX. STANDARDS AND REGULATIONS

A. Process

1. USEPA provides guidance that is binding on other regulatory agencies - recommends radiation safety standards.
2. Nuclear Regulatory Commission (NRC) regulates "byproduct" and "source" material - issues licenses for use of radioactive materials.
3. Agreement States accept the responsibility for regulating the use of radioactive materials in place of the NRC.

a.) New York is an Agreement State

New York Department of Conservation, Bureau of Radiation and Hazardous Site Management
Bureau Director - Paul Merges
Radiation Section Chief - Barbara Youngberg

b.) Utah is an Agreement State

c.) Wyoming is an example of a non-Agreement State - NRC regulates use of radioactive materials.

4. Radiation producing machines such as x-ray machines are generally regulated by the state.
5. Nuclear reactors are regulated by the NRC.

B. Regulations

1. Federal - 10 CFR 20

Based on the 1977 recommendations of the International Commission on Radiological Protection (ICRP). The ICRP revised its 1977 recommendations in 1991. It will be at least 10 years before the new recommendations are implemented in the United States.

2. State - 6 NYCRR Part 380 and TAGM 4003

State regulations must conform to a standard set by the Conference of Radiation Control Directors. State standards must be at least as stringent as NRC standards. State regulations are governed by the New York Code of Rules and Regulations (6 NYCRR Part 380) and Technical and Administrative Guidance Manual (TAGM) 4003 for the Cleanup of Soils.

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C. Table of Radiation Safety Standards

Radiation Worker	Component(s)	Dose Equivalent
Total Effective Dose Equivalent ⁽¹⁾	$H_d + H_{E,50}$	5 rem/year
Single Organ Dose Equivalent	Organ $H_d + H_{T,50}$	50 rem/year
Lens of the Eye	Lens Dose Equivalent	15 rem/year
Skin or any Extremity	Shallow Dose Equivalent	50 rem/year
Worker Under 18	TEDE	0.5 rem/year
Fetus (Declared Pregnant Worker) ⁽²⁾	TEDE	0.5 rem/gestation period
Annual Limit of Intake ⁽³⁾	ALI	Nuclide Specific
Derived Air Concentration ⁽⁴⁾	DAC	Nuclide Specific
General Public		
Any member	TEDE	0.1 rem/year
Specific member with prior approval of the regulatory agency	TEDE	0.5 rem/year

⁽¹⁾Total Effective Dose Equivalent (TEDE) is the sum of the internal effective dose equivalents and the external dose equivalents.

⁽²⁾The worker must declare the pregnancy in writing to the employer in order for the dose limit to the fetus to be implemented.

⁽³⁾Annual Limit of Intake is that intake of a radionuclide that will result in a committed effective dose equivalent of 5 rem for a worker or 100 mrem for the general public.

⁽⁴⁾Derived Air Concentration (DAC) is that concentration of a radionuclide in air which will result in a committed effective dose equivalent to a worker of 5 rem if inhaled for 2,000 hours/year or a committed effective dose equivalent of 100 mrem to a member of the general public if inhaled for 8,760 hours/year.

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X. BASIC RADIATION SAFETY

A. Basic Principles of Radiation Safety

1. Justification
2. Optimization

ALARA - keep doses As Low As Reasonably Achievable, social and economic factors being taken into account.

3. Limitation

B. Protection Against External Radiation

1. Time of exposure
2. Distance from the source
3. Shielding

a.) Types

- Concrete walls
- Lead aprons and gloves

b.) Reduction in dose due to shielding is an exponential function with shielding thickness.

C. Protection Against Internal Radiation (same as for any contaminant)

1. Prevent ingestion
2. Prevent inhalation
3. Prevent absorption/injection through the skin
4. Control methods
 - a.) Isolation - ventilation, hoods, shielding
 - b.) Substitution
 - c.) Good housekeeping
 - d.) Administrative controls
 - e.) Personal protective devices - respirators, gloves, anti-Cs

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XI. COMMONLY USED CALCULATIONS

A. Specific Activity (activity per unit mass)

$$A = \lambda N$$

where:

A \equiv activity (Bq/g)

λ \equiv decay constant $= \ln 2/T_{1/2}$

N \equiv number of atoms present

$T_{1/2}$ \equiv nuclide half-life

B. Decay

$$A_t = A_o e^{-\lambda t}$$

where:

A_t \equiv activity at time t

A_o \equiv activity at time zero

λ \equiv decay constant $= \ln 2/T_{1/2}$

$T_{1/2}$ \equiv nuclide half-life

t \equiv time.

C. Inverse Square Law

Exposure from a source is inversely proportional to the square of the distance from the source. This is applicable to a photo-emitting source whose largest dimension is small with respect to its distance from the exposure point.

$$X_1/X_2 = (d_2/d_1)^2$$

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XI. RADON

A. Natural Radioactivity in the Earth's Crust

1. ^{40}K

- a.) Natural abundance - 0.0119%
- b.) Total in the body - 140 g (0.12 μCi)

2. Uranium

- a.) Decay scheme (Figures 14 and 15)
- b.) Concentration in the earth's crust - 4 ppm
- c.) Concentration in typical ore - 0.2%
- d.) Concentration of radium in soil
 - i.) Background: 1-5 pCi/g
 - ii.) Limits for clean-up of impacted sites
 - 5 pCi/g in the first 15 cm
 - 15 pCi/g below the first 15 cm

3. Thorium

- a.) Decay scheme (Figure 16)
- b.) Concentration in the earth's crust ~ 10 ppm

B. Radon Gas - Decay Product of Uranium

1. History

- a.) Occupational exposure
 - 1500s - Central Europe - lung disease in miners noted
 - 1879 - Miners' disease recognized as cancer
 - 1932 - Radon gas implicated as the cause
 - 1954 - Prospective study of US miners initiated
 - 1960s - Radon daughters generally accepted as the causative agent
- b.) Residential exposure (indoor radon)
 - 1970s - Health physics profession expressed concern due to energy conservation
Scandinavian studies published
 - 1984 - Watras house in Pennsylvania - Reading Prong
 - 1986 - EPA guidelines published
 - 1990s - Building regulations
- c.) Terminology

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i.) Working Level (WL) - 100 pCi / L radon in equilibrium with its short-lived daughters or any combination of daughters with an equivalent energy potential (1.3×10^5 MeV total alpha energy through complete decay)

ii.) Working Level Month (WLM)

$$\text{WLM} = \text{WL} \times \text{hours exposed} / 170 \text{ hours / month}$$

d.) Regulations and guidelines

i.) Occupational

Current MSHA - 4 WLM / yr

Proposed MSHA - 1 WLM / yr

NIOSH recommendation - 1 WLM / yr

Average for underground uranium miners in the 1980s - 1 WLM / yr

ii.) Indoor radon (occupational and residential)

EPA Guideline - 4 pCi / L - 0.8 WLM / yr

NCRP Recommendation - 2 WLM / yr

Mean US - 0.2 WLM / yr (1 pCi / L)

Mean Denver - 0.5 WLM / yr (2.5 pCi / L)

C. Biological Effects of Inhalation of Radon Daughters

1. Deposition of daughters attached to particulates in upper bronchial tree
2. Deposition of unattached daughters in the upper respiratory tract
3. Irradiates bronchial epithelium (basal cells)
4. Cancer induction in the upper bronchial region

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Figure 14. Decay Scheme for Uranium 238

Nuclide	Historical name	Half-life	Major radiation energies (MeV) and intensities†		
			α	β	γ
$^{238}_{92}\text{U}$	Uranium I	$4.51 \times 10^9 \text{ y.}$	4.15 (25%) 4.20 (75%)	---	---
$^{234}_{90}\text{Th}$	Uranium X ₁	24.1d	---	0.103 (21%) 0.193 (79%)	0.063c* (3.5%) 0.093c (4%)
$^{234}_{91}\text{Pa}^m$	Uranium X ₂	1.17m	---	2.29 (98%)	0.765 (0.30%) 1.001 (0.60%)
$^{234}_{92}\text{Pa}$	Uranium Z	6.75h	---	0.53 (66%) 1.13 (13%)	0.100 (50%) 0.70 (24%) 0.90 (76%)
$^{234}_{92}\text{U}$	Uranium II	$2.47 \times 10^5 \text{ y.}$	4.72 (28%) 4.77 (72%)	---	0.053 (0.2%)
$^{230}_{90}\text{Th}$	Ionium	$8.0 \times 10^4 \text{ y.}$	4.62 (24%) 4.68 (76%)	---	0.068 (0.6%) 0.142 (0.07%)
$^{226}_{88}\text{Ra}$	Radium	1602y	4.60 (6%) 4.78 (95%)	---	0.186 (4%)
$^{222}_{86}\text{Rn}$	Emanation Radon (Rn)	3.823d	5.49 (100%)	---	0.510 (0.07%)
$^{218}_{84}\text{Po}$	Radium A	3.05m	6.00 (-100%)	0.33 (-0.019%)	---
$^{218}_{82}\text{Pb}$	Radium B	26.8m	---	0.65 (50%) 0.71 (40%) 0.98 (6%)	0.295 (19%) 0.352 (36%)
$^{218}_{85}\text{At}$	Astatine	-2s	6.65 (6%) 6.70 (94%)	? (-0.1%)	---
$^{214}_{83}\text{Bi}$	Radium C	19.7m	5.45 (0.012%) 5.51 (0.008%)	1.0 (23%) 1.51 (40%) 3.26 (19%)	0.609 (47%) 1.120 (17%) 1.764 (17%)
$^{214}_{84}\text{Po}$	Radium C'	164μs	7.69 (100%)	---	0.799 (0.014%)
$^{214}_{81}\text{Tl}$	Radium C''	1.3m	---	1.3 (25%) 1.9 (56%) 2.3 (19%)	0.296 (80%) 0.795 (100%) 1.31 (21%)
$^{214}_{82}\text{Pb}$	Radium D	21y	3.72 (.000002%)	0.016 (85%) 0.061 (15%)	0.047 (4%)
$^{214}_{83}\text{Bi}$	Radium E	5.01d	4.65 (.00007%) 4.69 (.00005%)	1.161 (-100%)	---
$^{214}_{84}\text{Po}$	Radium F	138.4d	5.305 (100%)	---	0.803 (0.0011%)
$^{214}_{81}\text{Tl}$	Radium E''	4.19m	---	1.571 (100%)	---
$^{206}_{82}\text{Pb}$	Radium G	Stable	---	---	---

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Figure 15. Decay Scheme for Uranium 235

Nuclide	Historical name	Half-life	Major radiation energies (MeV) and intensities†		
			α	β	γ
$^{235}_{92}\text{U}$	Actinouranium	$7.1 \times 10^8 \text{ y}$	4.37 (18%) 4.40 (57%) 4.58c† (8%)	---	0.143 (11%) 0.185 (34%) 0.204 (5%)
$^{231}_{90}\text{Th}$	Uranium Y	25.5h	---	0.140 (45%) 0.220 (15%) 0.305 (40%)	0.026 (2%) 0.084c (10%)
$^{231}_{91}\text{Pa}$	Protoactinium	$3.25 \times 10^4 \text{ y}$	4.95 (22%) 5.01 (24%) 5.02 (23%)	---	0.027 (6%) 0.29c (6%)
$^{227}_{89}\text{Ac}$	Actinium	21.6y	4.86c (0.18%) 4.95c (1.2%)	0.043 (~99%)	0.070 (0.08%)
$^{227}_{90}\text{Th}$ (98.6%) $^{223}_{88}\text{Fr}$ (1.4%)	Radioactinium	18.2d	5.76 (21%) 5.98 (24%) 6.04 (23%)	---	0.050 (8%) 0.237c (15%) 0.31c (8%)
$^{227}_{89}\text{Ac}$	Actinium X	22m	5.44 (~0.005%)	1.15 (~100%)	0.050 (40%) 0.080 (13%) 0.234 (4%)
$^{223}_{88}\text{Ra}$	Actinium X	11.43d	5.61 (26%) 5.71 (54%) 5.75 (9%)	---	0.149c (10%) 0.270 (10%) 0.33c (6%)
$^{219}_{86}\text{Rn}$	Emanation Actinon (An)	4.0s	6.42 (8%) 6.55 (11%) 6.82 (81%)	---	0.272 (9%) 0.401 (5%)
$^{219}_{84}\text{Po}$	Actinium A	1.78ms	7.38 (~100%)	0.74 (~0.0023%)	---
$^{215}_{82}\text{Pb}$ (-100%) $^{215}_{83}\text{Bi}$ (.00023%)	Actinium B	36.1m	---	0.29 (1.4%) 0.56 (9.4%) 1.39 (87.5%)	0.405 (3.4%) 0.427 (1.8%) 0.832 (3.4%)
$^{215}_{83}\text{Bi}$	Astatine	~0.1ms	8.01 (~100%)	---	---
$^{215}_{81}\text{Bi}$	Actinium C	2.15m	6.28 (16%) 6.62 (84%)	0.60 (0.28%)	0.351 (14%)
$^{215}_{84}\text{Po}$ (0.28%) $^{211}_{83}\text{Bi}$ (99.7%)	Actinium C'	0.52s	7.45 (99%)	---	0.570 (0.5%) 0.90 (0.5%)
$^{211}_{83}\text{Bi}$	Actinium C''	4.79m	---	1.44 (99.8%)	0.897 (0.16%)
$^{207}_{82}\text{Pb}$	Actinium D	Stable	---	---	---

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Figure 16. Decay Scheme for Thorium 232

Nuclide	Historical name	Half-life	Major radiation energies (MeV) and intensities†		
			α	β	γ
$^{232}_{90}\text{Th}$	Thorium	$1.41 \times 10^{10} \text{ y}$	3.95 (24%) 4.01 (76%)	---	---
$^{228}_{88}\text{Ra}$	Mesothorium I	6.7 y	---	0.055 (100%)	---
$^{228}_{89}\text{Ac}$	Mesothorium II	6.13 h	---	1.18 (35%) 1.75 (12%) 2.09 (12%)	0.34± (15%) 0.908 (25%) 0.96± (20%)
$^{228}_{90}\text{Th}$	Radiothorium	1.910 y	5.34 (28%) 5.43 (71%)	---	0.084 (1.6%) 0.214 (0.3%)
$^{228}_{91}\text{Pa}$	Thorium X	3.64 d	5.45 (6%) 5.68 (94%)	---	0.241 (3.7%)
$^{220}_{88}\text{Ra}$	Exanation Thoron (Tn)	55 s	6.29 (100%)	---	0.55 (0.07%)
$^{216}_{84}\text{Po}$	Thorium A	0.15 s	6.78 (100%)	---	---
$^{212}_{82}\text{Pb}$	Thorium B	10.64 h	---	0.346 (81%) 0.586 (14%)	0.239 (47%) 0.300 (3.2%)
$^{212}_{83}\text{Bi}$	Thorium C	60.6 m	6.05 (25%) 6.09 (10%)	1.55 (5%) 2.26 (55%)	0.040 (2%) 0.727 (7%) 1.620 (1.8%)
$^{212}_{84}\text{Po}$	Thorium C'	304 ns	8.78 (100%)	---	---
$^{208}_{81}\text{Tl}$	Thorium C''	3.10 m	---	1.28 (25%) 1.52 (21%) 1.80 (50%)	0.511 (23%) 0.583 (86%) 0.860 (12%) 2.614 (100%)
$^{208}_{82}\text{Pb}$	Thorium D	Stable	---	---	---

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Attachment 2 to Appendix B

Standard Operating Procedures Process Residuals Monitoring

ATTACHMENT 2

STANDARD OPERATING PROCEDURE FOR PROCESS RESIDUALS MONITORING

1.0 PURPOSE

The purpose of this Standard Operating Procedure (SOP) is to monitor contamination and external gamma radiation control practices. This SOP contains procedures for performing contamination and external gamma radiation surveys and associated limits.

2.0 POLICY

It is the policy of GTE Operations Support Incorporated (GTEOSI) to provide a safe working environment for workers. Contamination and external gamma radiation control is a major aspect of this policy. This policy has been created specifically for the field operations at the Hicksville Site.

3.0 SAFETY ISSUES

- Standard safety protocol shall be observed at all times.
- Treat all samples and unknowns as potentially hazardous. Radioactive materials need to be handled with caution.
- All personnel shall perform their work in a safe manner and shall keep exposures to radiation and hazardous materials as low as reasonably achievable (ALARA).
- This procedure does not purport to address all of the safety issues. It is the responsibility of the user to establish appropriate health and safety practices and determine the applicability and regulatory limitations prior to use.

4.0 SCOPE/APPLICABILITY

4.1 Categories

This SOP applies to the four categories of contamination and radiological control listed below.

4.1.1 Facility/Site

4.1.1.1 Contamination Control

The basis for contamination control at the Site is driven by process residuals. The detection limits of survey instrumentation used at the Site should be adequate to perform direct measurements (scans) to quantify contamination values at the applicable action limits.

4.1.1.2 External Gamma Radiation

The basis for external gamma radiation monitoring at the Site is to identify areas where elevated exposure rate fields might exist. Elevated exposure rate fields at the Site are expected to be in the vicinity of excavation and segregated piles of elevated soils. No area at the Site is expected to exhibit gamma

exposure rate levels that would require restricted classification (ex: classification of a 'restricted area') per the applicable State regulations.

4.2.1 Equipment/Materials

On occasion the Site will release equipment and materials that have been used in radiological activities for unrestricted use or conventional disposal. It is important to verify that such materials and equipment do not contain radioactive contamination, as a result of radiological activities, in excess of regulatory limits for unrestricted release. The appropriate limits to be used to satisfy this requirement are those set forth in the document entitled "Radiation Safety Surveys at Medical Institutions" (NRC Regulatory Guide 8.23)(Exhibit 1). These values are the same as those set forth in the NRC Regulatory Guide 1.86 for nuclear facilities.

4.2.2 Shipping/Receiving

The criteria for shipping radioactive materials are set forth in 49 CFR 172 and 173. Section 172.403 established external gamma dose rate limits for a package containing radioactive materials that is offered for transport (Exhibit 2). Section 173.443 establishes contamination limits for a package containing radioactive materials that is offered for transport (Exhibit 3), as well as the maximum contamination levels that can occur on a package during transport (as a result of the radioactive materials in the package.)

4.2.3 Personnel

The contamination control practices at the Site should be adequate assure that personnel performing routine radiological activities are at low risk of being contaminated with radioactive material. However, the potential for personnel contamination exists; therefore, it will be necessary to perform personnel contamination surveys on workers performing radiological activities. This SOP uses the limits for personnel and clothing contamination set forth in NRC Regulatory Guide 8.23, (Exhibit 4).

4.3 Related Procedures

Other SOPs that may be executed in conjunction with this SOP include:

- "Calibration and Operational Requirements of Survey Instrumentation"

5.0 SUMMARY

This SOP provides steps and limits for:

- determining the extent of radioactive contamination on equipment, shipping packages, and personnel surfaces; and
- monitoring the levels of external gamma radiation levels at the Site and associated with radioactive material packages offered for transport.

6.0 SAMPLE HANDLING AND PRESERVATION

Samples handled at the site (soil, air particulate, wipe, etc.) are not expected to present any significant radiological hazards to the handlers; however care must be taken in handling samples to minimize the potential for cross-contamination.

7.0 APPARATUS

The following methods and equipment may be used in implementing this SOP:

7.1 Personnel Protective Equipment (PPE)

Under routine contamination survey conditions, the appropriate PPE required will be based on the conditions set in the area being surveyed. For example, gloves may be required as a condition for working in an area; therefore, gloves should be worn when surveying in that area.

7.2 Survey Equipment

The following survey equipment should be used in accordance with applicable procedures and regulations:

- Ludlum Model 43-1-1 Scintillator calibrated to a Model 2224 or Model 2360 Scaler/Ratemeter (Model 43-1-1); the lead-shielded Model 180-16 counting stand is optional for wipe measurements. This instrument is typically used for:
 - a. counting wipes (with the counting stand);
 - b. performing equipment/materials surface contamination surveys, and
 - c. performing personnel contamination surveys (with protective screen).
- BICRON MicroRem meter (MicroRem). This instrument is typically used for:
 - a. Performing gamma dose rate surveys at levels below 2 mrem/hr, and
 - b. Performing radioactive material shipping dose rate surveys at levels below 2 mrem/hr.
- Ludlum Model 44-38 Energy Compensated Beta-Gamma Detector calibrated to a Model 3 Ratemeter (Model 44-38). This instrument is typically used for:
 - a. Performing gamma exposure rate surveys at levels above 2 mR/hr, and
 - b. Performing radioactive material shipping dose rate surveys at levels above 2 mrem/hr.
- Ludlum Model 3030 This instrument is typically used for quantifying alpha and high-energy beta contamination on wipes.
- Wipes are typically used to quantify removable contamination on surfaces.

7.2.1 Calibration Requirements

All survey equipment used in satisfying the requirements in this SOP will meet the calibration requirements specified in the applicable SOP or by the manufacturer, which ever is more stringent. Additionally, all survey equipment should meet the detection limit criteria specified in the applicable SOP.

For example, "Calibration Operational Requirements of Survey Instrumentation," specifies that the instrumentation should only be used for surveys in which its detection limit (MDC) is approximately one-half the applicable action limit. This means that, for an action limit of 1,000dpm/100cm², the MDC for the survey instrumentation should be no greater than about 500dpm/100cm².

8.0 REAGENTS AND STANDARDS

Refer to the appropriate calibration procedure for applicable calibration standards.

9.0 WASTE CONTROL

9.1 Samples

All samples should be maintained for the duration of the project and subsequent confirmation, at which point, samples can be evaluated for either radiological or conventional disposal.

9.2 Waste Separation

Any materials that can be disposed of efficiently should be disposed of in a separate waste stream from impacted soils. Waste generated as a result of decontamination efforts should be considered candidate for radioactive waste stream segregation.

10.0 PROCEDURE

10.1 Survey Methods

Contamination surveys are typically accomplished by two methods:

10.1.1 Scans

Scan – direct measurement survey performed by placing the active surface (window) of a detector directly on the surface being surveyed. The detector can be used to take a static measurement, or it can be moved slowly across the surface to survey a surface area larger than that of the detector. This survey method can be used to quantify the total, average, or maximum contamination levels on a given surface.

10.1.2 Wipes

Wipes – indirect measurement of a surface for removable contamination by wiping the surface with a moderately absorbent, standard industry Wipe pad, then counting the wipe with an appropriate detector. Wipes are typically limited to 100 cm², or the total area being surveyed if less than 100 cm².

10.2 External Gamma Radiation Surveys

External gamma radiation surveys are typically performed using a survey instrument sensitive to gamma radiation and insensitive to other forms of radiation. The surveys are typically performed by holding the detector probe toward or adjacent to the area of interest. The surveyor monitors the radiation levels by audio (if applicable) and visual observations of the instrument readout.

10.2.1 Area Surveys

Typically, area surveys at the Site can be performed by holding the probe approximately one meter away from floor or wall surfaces or about 30 cm (one foot) from radioactive sources.

10.2.2 Radioactive Material Shipment Surveys

Radioactive material shipment surveys are performed to satisfy the requirements in 49 CFR 172.403 and 49 CFR 173.441.

External Surface

The purpose of this survey is to determine the maximum gamma dose rate reading on the external surface of the outermost packaging material. The survey is performed over the entire accessible surface (including the bottom) of the outer package. The highest repeatable reading obtained during this survey is compared to the category values in **Exhibit 2**.

Transport Index

The purpose of this survey is to determine the maximum gamma dose rate reading one meter from the external surface of the outermost packaging. The survey is performed at one meter distance, over the entire accessible surface (including the bottom) of the outer package. The highest repeatable reading obtained during this survey is compared to the category values in **Exhibit 2**.

The results of the above radioactive shipment surveys are compared to the values in **Exhibit 2** for category labeling.

Transport Vehicle – Exclusive Use Shipments

Specific survey requirements for exclusive use shipments are detailed in 49 CFR 173.441.

10.3 Equipment/Materials Surveys

10.3.1 Frequency

Contamination surveys for the unrestricted release or disposal of equipment/materials are performed on an “as-needed” basis. Any equipment/materials with the potential of becoming contaminated in performing licensed activities are subject to this SOP prior to unrestricted release or conventional disposal.

In addition to conventional equipment/materials being surveyed, this procedure can be extended to included facility structure surfaces (floors, walls, etc.) during operation. However, these facility structure materials will likely require release under dose-based radiological criteria, following cessation of operations, as a condition of Site release for unrestricted use.

10.3.2 Scans

This section is based on the use of a Ludlum Model 2360/43-1-1 for performing scans.

In this SOP, scans serve two purposes:

1. Provide the surveyor with a qualitative assessment of surfaces for small areas of elevated contamination, identifiable by both audible and visual monitoring of the instrument readout.
2. Used to quantify the average (or maximum) contamination level over a given surface area by performing an integrated count.

10.3.2.1 Qualitative Scans

The primary purpose of qualitative scans is to identify localized areas of elevated contamination. The surveyor scans the surface at the established scan rate while simultaneously monitoring the audible/visual indications for sudden increases in response. These areas can subsequently be scheduled for further assessment, such as quantitative (integrated) scans or wipes.

10.3.2.2 Integrated Scans

The primary purpose of integrated scans is to quantify the contamination level of a given area. This integrated measurement is usually one of two types:

1. Continuous integrated scan, averaging over an area that is larger than the probe window area but less than 1-m². This value is typically compared against the average or removable limits in **Exhibit 1**.

NOTE: Under favorable survey conditions, it may be possible to establish survey parameters for the integrated scans that will detect contamination levels below the detection limit for the removable contamination action limit. In this case, a survey result below the removable limit could obviate the need for wipes.

2. Static integrated measurement on an elevated measurement location that is no larger than 100 cm². This value is typically compared against the applicable maximum limit in **Exhibit 1**.

10.3.3 Wipes

- Wipes should be performed on accessible surfaces with the greatest potential for contamination.
- An adequate number of wipes should be performed to assess the average contamination levels -
 - a. For large surface areas, one wipe should be performed for each 1 m² on accessible surfaces with high contamination potential.
 - b. For small surface areas, one wipe should be performed for each separate accessible surface with high contamination potential.
- A single wipe, no greater than 100 cm², should be taken to represent an area no greater than 1-m².

- The wipe is taken by applying moderate pressure and wiping the surface in an 'S' pattern. For a wipe pad about 4-5 cm in diameter, the path to cover 100 cm² should be about 25 cm (about 10 inches).

10.3.4 Minimum Detectable Activity

The detection limit of a survey instrument used for scans is determined by calculating the minimum detectable activity (MDA). The three primary factors that affect the MDA are:

- Background count rate;
- Detection efficiency; and
- Count time.

10.3.4.1 Background Count Rate

The following table can be used to document the gross alpha and beta background count rates for the Model 2360/43-1-1.

Table B-A2-1 Background Count Rates for the Model 2360/43-1-1.

Radiation Type	Background Count Rate (counts per minute)
<input type="checkbox"/> Scan	
<input type="checkbox"/> Scan	
<input type="checkbox"/> Wipe	
<input type="checkbox"/> Wipe	

Different materials exhibit different background count rates. For example, naturally occurring radioactive materials (NORM) in concrete or cinder block might result in ☐ and ☐ background count rates of 15 and 500 cpm, respectively, whereas, the shielding effects of steel (no NORM) might result in ☐ and ☐ background count rates below 2 and 300 cpm, respectively.

For the purposes of determining MDA values in this SOP, the gross and background count rate values will be used.

10.3.4.2 Detection Efficiency

The following table can be used to document the efficiencies associated with instrumentation used to perform contamination surveys of equipment/materials for unrestricted release.

Table B-A2-2 Efficiencies of Instrumentation used in Contamination Surveys for Unrestricted Release of Equipment/Materials.

Analysis	Instrument	Efficiency [(dpm/100 cm ²)/cpm]
Scan Gross Alpha	2360/43-1-1	
Scan Gross Beta	2360/43-1-1	
Wipe Gross Alpha	2360/43-1-1	
Wipe Gross Beta	2360/43-1-1	
Wipe Gross Alpha	3030	
Wipe Gross Beta	3030	

10.3.4.3 Count Time

The count time is usually the factor that can be varied in order to achieve the desired MDA. The count time applies to scans in two ways:

1. Qualitative Scans – The scan time is actually the residence time (how long the active probe window is over the contamination). Therefore, the count time depends on the scan rate.
2. Integrated Scans – The scan time depends on the ability to collect adequate data to quantify the residual contamination level in excess of background.

Scan Rate

All scans performed with the Model 2360/43-1-1 should typically be performed at a **scan rate no faster than about three inches (½ probe face diameter) per second**. This assures that, during qualitative scans, the residence time of the active window of the probe over an area is sufficient to detect enough counts to actually identify the presence of localized contamination. Scanning too fast can result in missing localized areas of elevated contamination that exceed release limits.

Scan Time

The total integrated scan time is a variable factor in the MDA determination. The optimal scan time depends on the MDA vs. the action limit. For example, if a one-minute integrated scan results in a MDA in excess of that specified for the action limit, two minutes might be adequate.

Scans can sometimes be performed such that the detection limit is low enough to distinguish between background and the removable action limit. Based on the removable contamination action limits in Exhibit 1 of natural uranium of 1000 dpm/100 cm², it might be possible to scan a surface and obtain a MDA below 500 dpm/100 cm². Therefore, this survey could reliably verify that the contamination levels are below 1,000 dpm/100 cm², thereby eliminating the need for a wipe for removable contamination measurement.

10.3.4.4 MDA Values

Table 12-2-3 can be used to summarize the MDA values calculated using the equation in Section 13 for the Model 2360/43-1-1 and the following parameters:

Background Cnts (C_b) \equiv Table B-A2-1
Count Time (T) \equiv Iterative Variable
Efficiency \equiv Table B-A2-2

Table B-A2-3 MDA Values for the Model 2360/43-1-1.

Survey Type	MDA (dpm/100 cm ²)
<input type="checkbox"/> Scan	
<input type="checkbox"/> Scan	
<input type="checkbox"/> Wipe	
<input type="checkbox"/> Wipe	

NOTE: Based on the above MDA values, it should be determined if the Model 43-1-1 could be used to quantify and removable contamination levels below 1,000 dpm/100 cm² using a reasonable integrated scan time.

10.3.5 Documentation

Analysis results for equipment/materials contamination surveys are documented on the log page in Exhibit 5.

10.3.6 Action Limits

Exhibit 1 contains a table of the action limits from the NRC Regulatory Guide 8.23, along with a discussion of applicability, which should be used for unrestricted release of equipment/materials from the Site. The surveyor should use professional judgment in selecting applicable action limits based on process knowledge. For example, if a piece of equipment impacted with natural uranium radionuclides, then the first row of limits should apply.

10.3.7 Corrective Actions

Equipment/materials scheduled for unrestricted release that exhibit contamination levels in excess of the applicable action limits cannot be released until decontamination efforts have successfully reduced the levels to below the limits.

Follow-up surveys should be performed at and around the location of the decontamination to verify acceptable cleanup. If decontamination efforts are not successful, the equipment/materials will have to be considered for disposal as radioactive waste.

10.4 Shipping Surveys

10.4.1 Frequency

Contamination and dose rate surveys will be performed on each radioactive materials package, offered for shipment, for which the potential exists that the contamination or radiation levels could exceed the limits set forth in 49 CFR 172.403 and 49 CFR 173.443.

10.4.2 Scans

The only scans performed on a radioactive material shipment package are the external surface and transport index surveys described in this SOP. If a shipment ends up being classified as *exclusive use*, refer to the Transport Vehicle – Exclusive Use Shipments section of this SOP.

All scans on radioactive material shipment packages should be performed using either the Bicon MicroRem (readings less than 2 mrem/hr) or the Model 44-38 (readings greater than 2 mrem/hr).

10.4.3 Wipe Standards

Wipes performed on a radioactive material shipment package for removable contamination are performed in accordance with this SOP. This survey is performed to satisfy the requirements in 49 CFR 173.443. Three 100 cm² wipes should be strategically taken on each applicable package.

NOTE: 49CFR 173.443 implicitly allows that contamination surveys are not required under certain circumstances, such as when new shipping containers (boxes, buckets, etc.) that are unlikely to be impacted are used.

10.4.4 Documentation

Survey results for shipping receiving contamination surveys can be documented on the log book page in Exhibit 6.

10.4.5 Action Limits

The categorization limits for external dose rates on radioactive material packages are listed in Exhibit 2 and are detailed in 49 CFR 172.403. The removable contamination limits are listed in Exhibit 3 and are detailed in 49 CFR 173.443.

10.4.6 Corrective Actions

Radioactive material packages scheduled for transport that exhibit contamination levels in excess of the applicable action limits cannot be released until decontamination efforts have successfully reduced the levels to below the limits. Follow-up surveys should be performed to verify acceptable decontamination.

10.5 Personnel/Clothing Contamination Surveys

10.5.1 Frequency

Personnel/clothing contamination surveys are performed on an “as-needed” basis; typically, upon exit of areas where the potential for personnel contamination exists.

- Personnel/clothing scans should be performed in accordance with this SOP. The scans should be performed using the Model 43-1-1, applying the scan rate philosophy.
- Wipes are not performed in quantifying personnel/clothing contamination levels.

10.5.2 Documentation

Survey results for personnel/clothing contamination surveys are documented on the appropriate logbook page in **Exhibit 7**.

10.5.3 Action Limits

The action limits for personnel/clothing contamination surveys are in **Exhibit 4**.

10.5.4 Corrective Actions

Personnel/clothing that exhibit contamination levels in excess of the applicable action limits cannot be released until decontamination efforts have successfully reduced the levels to below the limits. Follow-up surveys should be performed to verify acceptable decontamination.

11.0 CALCULATIONS

The equation used to calculate minimum detectable activity (MDA) is:

$$MDA = \frac{3 + 4.65 * s_b}{TE}$$

Where:

s_b = Standard deviation of background counts in time T (counts), can use $\sqrt{C_b}$ for single background count (C_b)

T = Background/survey count time (minutes)

E = Detection efficiency, corrected for probe area (cpm/dpm/100 cm²)

12.0 RESPONSIBILITIES

The Lead Health Physicist has overall responsibility for the implementation of this SOP. The daily responsibility for proper implementation of this SOP lies with the individual trained surveyor.

13.0 DEFINITIONS

The following definitions are taken from the 10 CFR 20.

Radiation Area – Any area, accessible to individuals, in which radiation levels could result in an individual receiving a dose equivalent in excess of 5 mrem in 1 hour at 30 cm from the source of radiation or from any surface that the radiation penetrates.

Restricted Area – Any area, access to which is limited by the licensee for the purpose of protecting individuals against undue risks from exposure to sources of radiation.

Unrestricted Area – Any area, access to which is neither limited or controlled by the licensee.

14.0 REFERENCES

10CFR20, "Standards for Protection Against Radiation."

49CFR172.403, "Class 7 (Radioactive) Material" Radiation Level Labeling Requirements for Radioactive Material Packages Offered for Transport.

United States Nuclear Regulatory Commission (NRC). Regulatory Guide 8.23, "Radiation Safety Surveys at Medical Institutions" Washington, DC.

Exhibit 1 – Unrestricted Release Contamination Limits for Equipment/Materials (Reference: NRC Regulatory Guide 8.23).

ACCEPTABLE SURFACE CONTAMINATION LEVELS FOR UNCONTROLLED RELEASE OF EQUIPMENT

Nuclide ^a	Average ^{b,c}	Maximum ^{b,d}	Removable ^{b,c}
U-nat, U-235, U-238, and associated decay products	5,000 dpm α /100 cm ²	15,000 dpm α /100 cm ²	1,000 dpm α /100 cm ²
Transuranics, Ra-226, Ra-228, Th-230, Th-228, Pa-231, Ac-227, I-125, I-129	100 dpm/100 cm ²	300 dpm/100 cm ²	20 dpm/100 cm ²
Th-nat, Th-232, Sr-90, Ra-223, Ra-224, U-232, I-126, I-131, I-133	1,000 dpm/100 cm ²	3,000 dpm/100 cm ²	200 dpm/100 cm ²
Beta-gamma emitters (nuclides with decay modes other than alpha emission or spontaneous fission) except Sr-90 and others noted above.	5,000 dpm $\beta\gamma$ /100 cm ²	15,000 dpm $\beta\gamma$ /100 cm ²	1,000 dpm $\beta\gamma$ /100 cm ²

^a Adapted from Regulatory Guide 1.86 (Ref. 30).

^a Where surface contamination by both alpha- and beta-gamma-emitting nuclides exists, the limits established for alpha- and beta-gamma-emitting nuclides should apply independently.

^b As used in this table, dpm (disintegrations per minute) means the rate of emission by radioactive material as determined by correcting the counts per minute observed by an appropriate detector for background, efficiency, and geometric factors associated with the instrumentation.

^c Measurements of average contaminant should not be averaged over more than 1 square meter. For objects of less surface area, the average should be derived for each such object.

^d The maximum contamination level applies to an area of not more than 100 cm².

^e The amount of removable radioactive material per 100 cm² of surface area should be determined by wiping that area with dry filter or soft absorbent paper, applying moderate pressure, and assessing the amount of radioactive material on the wipe with an appropriate instrument of known efficiency. When removable contamination on objects of less surface area is determined, the pertinent levels should be reduced proportionately and the entire surface should be wiped.

Exhibit 2 – Radiation Levels for Radioactive Shipment Classification (49 CFR 172.403).

Transport index	Maximum radiation level at any point on the external surface	Label category ¹
0 ²	Less than or equal to 0.005 mSv/h (0.5 mrem/h).	WHITE-I.
More than 0 but not more than 1	Greater than 0.005 mSv/h (0.5 mrem/h) but less than or equal to 0.5 mSv/h (50 mrem/h). ²	YELLOW-II.
More than 1 but not more than 10	Greater than 0.5 mSv/h (50 mrem/h) but less than or equal to 2 mSv/h (200 mrem/h).	YELLOW-III.
More than 10	Greater than 2 mSv/h (200 mrem/h) but less than or equal to 10 mSv/h (1,000 mrem/h).	YELLOW-III (Must be shipped under exclusive use provisions; see 173.441(b) of this subchapter).

¹ Any package containing a "highway route controlled quantity" (§ 173.403 of this subchapter) must be labelled as RADIOACTIVE YELLOW-III.

² If the measured TI is not greater than 0.05, the value may be considered to be zero.

Exhibit 3 – Non-Fixed Contamination Wipe Limits for Radioactive Shipments (49 CFR 173.443).

Contaminant	Maximum permissible limits		
	Bq/cm ²	uCi/cm ²	dpm/cm ²
Beta and gamma emitters and low toxicity alpha emitters	0.4	10 ⁻⁵	22
All other alpha emitting radionuclides	0.04	10 ⁻⁶	2.2

Exhibit 4 – Unrestricted Release Contamination Limits for Personnel and Clothing (Reference: NRC Regulatory Guide 8.23).

RECOMMENDED ACTION LEVELS FOR REMOVABLE SURFACE CONTAMINATION
IN MEDICAL INSTITUTIONS*

Type of Surface	Type of Radioactive Material**					
	Alpha Emitters		Beta or X-Ray Emitters		Low-Risk Beta or X-Ray Emitters	
	($\mu\text{Ci}/\text{cm}^2$)	(dpm/100cm ²)	($\mu\text{Ci}/\text{cm}^2$)	(dpm/100cm ²)	($\mu\text{Ci}/\text{cm}^2$)	(dpm/100cm ²)
Personal clothing worn outside restricted areas	10^{-7}	22	10^{-6}	220	10^{-5}	2,200
Skin	10^{-6}	220	10^{-6}	220	10^{-5}	2,200

* As adapted from Table I of Reference 10. Averaging is acceptable over nonliving areas of up to 300 cm² or, for floors, walls, and ceiling, 100 cm². Averaging is also acceptable over 100 cm² for skin or, for the hands, over the whole area of the hand, nominally 300 cm².

** Beta- or x-ray emitter values are applicable for all beta- or x-ray emitters other than those considered low risk. Low-risk nuclides include C-14, H-3, S-35, Tc-99m, and others whose beta energies are less than 0.2 MeV maximum, whose gamma- or x-ray emission is less than 0.1 R/h at 1 meter per curie, and whose permissible concentration in air (see 10 CFR Part 20, Appendix B, Table 1) is greater than 10^{-6} $\mu\text{Ci}/\text{ml}$.

Exhibit 5 – Unrestricted Release Contamination Limits for Equipment/Materials

Logbook Page [illegible]

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Exhibit 6 – Shipping Surveys Log Page

[illegible]

⁽¹⁾ Use efficiency applicable for source/sample-to-detector calibration geometry.

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Exhibit 7 – Personnel/Clothing Contamination Surveys Log Page

Instructions

1. Turn instrument on.
2. Set count time to 1 minute.
3. Depress button to start count.
4. Slowly scan affected areas, hands, and soles.
5. If action limit is exceeded, decontaminate and repeat surveys.
6. Record gross α and β readings.

Gross ☐ Action Limit = _____ cpm

Gross ☐ Action Limit = _____ cpm

#	Date	Name	Gross <input type="checkbox"/> Count Rate (cpm)	Gross <input type="checkbox"/> Count Rate (cpm)	Pass Y/N	Comments

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APPENDIX C

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APPENDIX C: TRAFFIC CONTROL PLAN

A Traffic Control Plan (TCP) will be developed prior to initiating the transportation of waste from the Site to a disposal facility. The TCP will be developed in accordance with local and state requirements. The appropriate agencies will be contacted to ensure that the TCP provides adequate protection for Site workers and the surrounding community. The TCP will, at a minimum, include the following components:

- Pre-Project Screening and Restoration;
- Site Ingress and Egress;
- Truck Access Routes;
- Waste Transportation Routes;
- Emergency Response Contingency Plan; and
- Post-Project Validation.

The Emergency Response Contingency Plan is provided below.

EMERGENCY RESPONSE CONTINGENCY PLAN

C.1 PURPOSE AND SCOPE

This section is intended to provide guidelines and minimum emergency response requirements to transporters contracted by MHF-LS. This section is also intended to raise the awareness of generators, shippers and clients involved in MHF-LS business as to these minimum requirements. This section is intended to apply to all contractors involved in the transportation chain. This document however, is general in nature and NOT intended to be all inclusive or used in place of current Federal, State or local laws, regulations or ordinances nor is it intended to take the place of good judgement.

C.2 BACKGROUND

The Hazardous Materials Regulations of the Department of transportation are published in the Code of Federal Regulations (CFR) 49 and specifically address "Emergency Response Information" in Part 172, Subpart G, Sections 172.600, 172.602 and 172.604.

C.3 RECORD KEEPING

MHF-LS Corporate Offices in Cranberry Township, Pennsylvania will obtain and maintain a copy of the following from every contractor:

- Insurance Certificate with their level of hauling;
- Emergency Response Plan or Contingency Plan; and
- A current and accurate list of Emergency Response Coordinator telephone numbers including at least one 24-hour contact number.

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These documents will be obtained prior to executing an agreement with any contractor. These documents will be updated as required and at minimum annually.

C.4 MINIMUM INDUSTRY STANDARDS

No MHF-LS contractor can accept for transportation, transport, transfer, store or otherwise handle hazardous materials unless they have:

- Emergency Response information conforming to Part 172 of 49 CFR immediately available for use at all times the hazardous material is present; and
- Emergency Response information required by Part 172 of 49 CFR immediately available to any person who, as a representative of a Federal, State or local government agency, responds to an incident involving the material, or is conducting an investigation, which involves the material.

EXCEPTION: The requirements of Part 172 of 49 CFR DO NOT APPLY to hazardous materials that are exempt from the shipping papers requirements of 172 of 49 CFR, such as: materials that are not hazardous wastes or substances but are identified by an "A" or "W" or Other Regulated Material, Class D defined in Part 173.144 in 49 CFR and in the table at 172.101.

NOTE: Current Federal, State, and local regulations MUST be consulted for full compliance with the regulations.

C.5 EMERGENCY RESPONSE INFORMATION

MHF-LS' contractors must comply with current Federal, State and local guidelines pertaining to the availability and format of Emergency Response Information. For hazardous waste shipments this information is commonly referred to on the shipping papers. The hazardous waste manifest MUST include a reference to an emergency response telephone number and will usually refer to a page number in the Emergency Response Guide (ERG). This guide is commonly used to supply the necessary information to respond to a haz-mat incident. All manifests MUST offer this information and the MHF-LS contractor MUST know how and when to use the information given. This means that every operator MUST have in his/her possession at the time of the movement a current copy of the ERG and be trained in its proper use. If the ERG page number representing the hazardous material proper handling in the event of an incident is not referenced on the shipping document, the following information MUST be made available at a minimum to all parties involved in the shipment and responders in the event of an incident involving the waste.

INFORMATION REQUIRED: For the purpose of Part 172 of 49 CFR the term "Emergency Response Information" means information that can be used in the mitigation of an incident involving hazardous materials and, as a minimum, must contain the following:

1. The basic description and technical name of the materials as required by Section 172.202 and 172.203, the International Civil Aviation Organization (ICAO) Technical Instructions, International Maritime Dangerous Goods (IMDG) Code or the Transportation of Dangerous Goods (TDG) Regulations, as appropriate.
2. Immediate hazards to health.
3. Risks of Fire or Explosion.
4. Immediate precautions to be taken in the event of an accident or incident.

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5. Immediate methods for handling Fires.
6. Initial methods for handling spills or leaks in the absence of fire.
7. Preliminary First Aid measures.

NOTE: As part of this requirement the information must be:

1. Printed legibly in English
2. Available for use away from the package(s) that contains the hazardous material.
3. Presented:
 - A) on a shipping paper (eg. Manifest) and / or
 - B) in a document, other than a shipping paper, that included both the basic description and technical name of the hazardous material as required by Sections 172.202 and 172.203 I (k), the *ICAO Technical Instructions, **IMDG Code, or the ***TDG Regulations, as appropriate and the Emergency Response Information required by Part 172 of 49 CFR.

- * ICAO= International Civil Aviation Organization
** IMDG= International Maritime Dangerous Goods
*** TDG= Transportation of Dangerous Goods

Maintenance of Information for MHF-LS contracted Transporters:

Each carrier who transports a hazardous material shall maintain the information specified above in the same manner as the USDOT regulations required for shipping papers. The information must be immediately accessible to train crew personnel and drivers of motor vehicles for use in the event of incidents involving hazardous material.

Maintenance of Information for other MHF-LS contractors:

Each operator of a facility where materials are received, stored or handled during the transportation shall maintain the emergency response information specified above whenever the material is present. This information must be in a location that is immediately accessible to facility personnel in the event of an incident involving the material.

Current Federal, State, and local regulations MUST be consulted for compliance with the regulations.

C.6 EMERGENCY RESPONSE NOTIFICATION AND REPORTING

Spill or Incident Reporting:

Mr. Richard W. Zink, MHF-LS Vice President, or his designee will be the primary collection point for gathering of all information and paperwork generated as a result of a spill or incident involving transportation handling by MHF-LS. Mr. Zink or his designee will be responsible for obtaining a copy of any forms or reports generated by the carrier or supplier that is required by current Federal, State or local law or regulation or individual company policy and will maintain that information for a minimum period of five years. The information maintained will include but is not limited to:

- MHF-LS incident report forms;
- Any report generated by a carrier, contractor, generator or facility as a result of current Federal, State or local law or regulation or individual company policy;

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- Any report, document or photographs related to the incident or spill.

The carrier or supplier will send the information without delay to:

MHF Logistical Solutions, Inc.
ATTN: Richard W. Zink
800 Cranberry Woods Drive, Suite 450
Cranberry Township, PA 16066

Telephone Reporting:

In the event of a spill or incident involving MHF-LS transportation, the carrier or supplier will, in addition to any required telephone reporting by current Federal, State, or local law or regulation, immediately notify by telephone a MHF-LS representative using the following number Monday through Friday 8:00 a.m. – 5:00 p.m., EST.

MHF Logistical Solutions, Inc.
800 Cranberry Woods Dr.
Cranberry Twp., PA 16066
Phone: (724) 772-9800 extension 5524
Fax: (724) 772-9850

AFTER HOURS ANSWERING SERVICE (412) 369-4700

A 24-hour emergency contact list "calling tree" with individuals' names and numbers will be made available to the agencies, transportation contractors, and Site personnel.

The caller will supply the following information:

1. Name
2. Employer
3. Contact Number
4. Date, time and exact location of incident
5. The extent of injuries, if any
6. Name, classification and quantity of materials involved
7. Type of vehicle or container and reporting mark of vehicle or container
8. Type on incident and nature of hazardous material involvement and whether a continuing danger to life exists at the scene
9. Steps that contractor have taken to mitigate or contain spill or incident

C.7 EMERGENCY RESPONSE TELEPHONE NUMBERS

MHF-LS will assure that the shipping paper for each material shipped by MHF-LS includes a 24-hour emergency response telephone number (including the area code or international access code) for use in the event of an emergency involving the material. Each carrier or supplier MUST have such a number. The telephone number must be:

- Answered 24 hours a day 365 days a year;

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- The number of a person who is either knowledgeable of the hazards and characteristics of the hazardous material being shipped and has comprehensive emergency response and accident mitigation information for that material, or has immediate access to a person who possesses such knowledge and information; and
- The number must be legibly entered on the shipping paper.

NOTE: Current Federal, State, and local Regulations MUST be consulted for full compliance with the regulations.

C.8 CARRIER AND SUPPLIER EMERGENCY RESPONSE REQUIREMENTS:

Every contractor of MHF-LS will immediately initiate emergency procedures for the proper mitigation of any spill or incident involving MHF-LS waste materials. The contractor will comply with all current Federal, State or local laws and regulations relative to the response to any incident and/or spill.

Motor Carrier Minimum Requirements:

USDOT Training – USDOT regulations 49 CFR Part 177 requires motor carriers to properly train the driver in, "Procedures to be followed in case of accident or other emergency, including unanticipated pressure increase or decrease." Proof and records of this training will be made available to MHF-LS upon request.

1. Immediate Notification Requirements- When an incident occurs during transportation in which a hazardous material is involved, a report to the USDOT may be necessary. IMMEDIATE notice is required by each carrier who transports materials (including hazardous wastes) for each incident that occurs during the course of transportation (including loading, unloading and temporary storage) in which as a direct result of the materials:
 - a. A person is killed; or
 - b. A person receives injuries requiring treatment away from scene (hospital); or
 - c. Estimated carrier or property damage exceeds \$50,000; or
 - d. One or more major transportation arteries or facilities are closed or shut down for one (1) hour or more; or
 - e. In the carrier judgement it should be reported.

These IMMEDIATE reports must be made by phone to the USDOT at 800.424.8802 or 202.267.2675 at the earliest practical moment as required by Section 171.15.

The following information will be requested from the caller:

1. Name of reporter;
2. Name and address of carrier represented by reporter;
3. Phone number where reporter can be contacted;
4. Date, time and exact location of incident;
5. The extent of injuries, if any;
6. Classification, name and quantity of hazardous materials involved, if available, at time; and
7. Type of incident and nature of hazardous material involvement and whether a continuing danger to life exists at the scene.

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Contractors Minimum Requirements:

In the event of a spill the MHF-LS contractor assumes the responsibility of a generator and must comply with the emergency procedures and disposal requirements as set forth in 49 CFR 265.56. Duties include at minimum emergency notification, emergency response, and material disposal. All associated costs incurred for the proper mitigation of an incident will be the responsibility of the contractor. MHF-LS will not assume any liability associated with any incident or spill but may offer the contractor assistance in these endeavors.

C.9 SUMMARY OF DUTIES AND RESPONSIBILITIES

Contractor:

- ✓ Provide MHF-LS with a current copy of their emergency response plan.
- ✓ Provide MHF-LS with a current copy of their insurance information as required.
- ✓ Provide MHF-LS with an updated list of their emergency response telephone numbers.
- ✓ Be familiar with and in compliance with all requirements relative to the transportation and handling of hazardous materials including, but not limited to:
 - Shipping documents
 - Emergency Response
 - Emergency Response notification to governing agencies
 - Emergency Response notification to MHF-LS
- ✓ Full compliance with all current requirements relative to hazardous waste manifests.
- ✓ Full compliance with current USDOT training requirements.

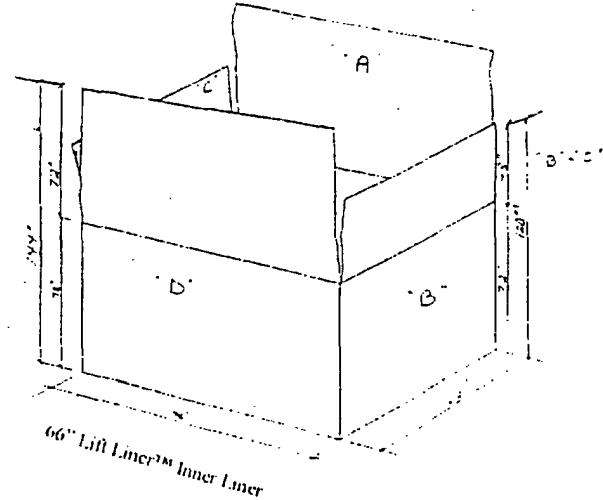
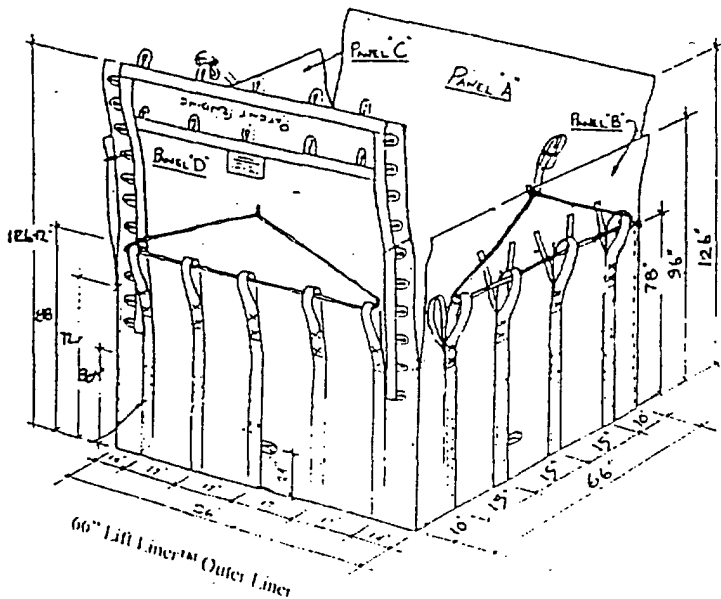
MHF Logistical Solutions, Inc.:

- ✓ Record keeping
- ✓ Emergency Response Plan for all contractors
- ✓ A list of Emergency Response telephone numbers for all contractors
- ✓ Insurance information required for each contractor
- ✓ A current copy of USDOT's Emergency Guidelines
- ✓ Assuring that contractors are familiar with current Federal, State and local laws and regulations.

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Attachment 1 to Appendix C

Lift-LinerTM Specifications



Product Specification - 66" Lift Liner™ System

Item Number:	11-119666 - Lift Liner™ 96X66X72 Outer Liner
Item Number:	11-119666-2 Double Layer Inner Liner for 66" Lift Liner™ System
Model Number:	11-119666 - Lifting Frame for 66" Lift Liner™ System
Model Number:	11-11009666 - Loading Frame for 66" Lift Liner™ System

Lift Liner™ Specifications

Overall Manufactured Size:	96"X66"X72" (Nominal) +/- 1" all dims
Suggested Loadable Size:	96"X66"X66" (Nominal) +/- 1" all dims
Volume Capacity:	242 Cu. Ft.
Empty Weight:	40 lbs.
Weight Capacity:	24000 lbs.

Lift Liner™ Construction

Fabric:	Woven & Coated Polypropylene
Lift Straps:	18 Ea @ 6000 lb. tensile test
	Each woven polyester fabric
Closure Top Flaps:	4 Ea; 2 full overlapping, 2 centering
Securing Straps:	20 Ea. 1" poly webbing with corresponding receiver loop

Inner Liner Specifications

Overall Dimensions:	96"X66"X72" (Nominal) +/- 1" all dims
Empty Weight:	32 lbs.

Inner Liner Construction

Fabric:	Double Layers of woven & coated Polypropylene fabric
Closure top flaps:	4 Ea; 2 full overlapping, 2 centering

Lifting Frame Specifications

Overall Size:	92"X68" X24" (Nominal +/- 1" all dims)
Empty Weight:	1240 lbs.
Lifting Weight Capacity:	24,000 lbs. @ 12.5% certified (per DOE-STD 1090 Hoisting & Rigging Devices)
Design Capacity:	40,000 lbs
Means to Lift:	Crane or forklift
Lifting Frame Construction:	All steel per ASTM A-500 (USA/CAN)
Hooks:	3 ton carbon steel (USA)

Loading Frame Specifications

Overall Outside Dimensions:	96"X66"X62" or 96"X66"X70" * (Nominal) +/- 1" per wall
Empty Weight:	960 lbs. or 1020 lbs.*
Loading Frame Construction:	1 1/2" square steel tube
Walls:	10 ga steel sheet
Floor:	1 1/2" square tube steel grid and 10 ga steel sheet

*Indicates Loading Frame with Fork Lift Pockets



TRANSPORT PLASTICS, INC.

P. O. Box 12 • 190 Transport Drive
Sweetwater, TN 37874
(423) 337-3003
FAX (423) 337-2184

FABRIC SPECIFICATIONS

FOR LIFT LINER SYSTEM 66" OUTER BAG

DESCRIPTION

8 oz. White Uncoated Bulk Bag Fabric-Flat Woven/Ultrasonic Slit Edge
8 oz. White Coated 1 Mil PP/PE Bulk Bag Fabric-Flat Woven/Ultrasonic
Slit Edge

TYPICAL PROPERTIES

TEST METHOD

Fabric	Polypropylene
Coating	Polypropylene/Polyethylene
Color	White
Standard Widths, Inches (+1,-0)	36,42, and 48
Construction	22.1 EPIx13.3 PPI 1.5x12.5 (minimum)
Weight, Oz/SY	8.5 8.0 (minimum)
Tensile Strength, Lbs.	476x474 430x400 (minimum)

ASTM D-4632

SYL00116577

August 23, 2001

Elongation, %	ASTM D-4632	22.9x20.7 (no minimum)
Trapezoid Tear Strength, PSI	ASTM D-4533	169X164 125X125 (minimum)
Puncture, Lbs.	ASTM D-4833	220 200 (minimum)
Mullen Burst Strength	ASTM D-3786	937 800 (minimum)
UV Resistance Strength Retention, %	ASTM D-4355	>70% After 1200 Hours Exposure

(1) All components meet US FDA guidelines for food contact applications

(2) The above properties are typical averages based on uncoated test data only.

Date: 01/01 This data sheet supersedes all previously issued data sheets.

SYL00116578



TRANSPORT PLASTICS, INC.

P.O. Box 12 • Sweetwater, TN 37874
(423) 337-3003

TECHNICAL DATA SHEET

6.5 oz IBC FABRIC 66" INNER LINER

TYPE C2-8-42 U.V. STABILIZED WOVEN POLYPROPYLENE FABRIC. IT
AVAILABLE AS COATED AND UNCOATED AT THE
FOLLOWING STANDARD WIDTHS: 70, 72, 74, 76, AND 80"
2 PLY. THIS FABRIC HAS EIGHT 4" WIDE BANDS.

PROPERTIES	UNITS	TYPICAL VALUE
MATERIAL FABRIC/COATING	---	PP/PP (.001")
COLOR	---	NATURAL WHITE
CONSTRUCTION	TAPES/INCH	WARP 9.0/WEFT 10.6
UNIT WEIGHT	OZ/YD	6.50 EXCL BANDS 7.40 INCL BANDS
TENSILE GRAB STRENGTH	LBF	WARP 300/WEFT 300/ BAND 550
PUNCTURE STRENGTH	LB	UNC53 CTD 138
MULLEN BURST STRENGTH	LB/PO	UNC 638 CTD 579
TEAR STRENGTH (TRAPEZOID)	LB	WARP 125/ WEFT 120
UV RESISTANCE	% STRENGTH HOUR EXPOSURE	>75% AFTER 1200 HOURS
MELTING POINT	"C ("F)	160" (320")

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APPENDIX D

APPENDIX D: STORMWATER MANAGEMENT AND EROSION CONTROL PLAN

Surface water throughout the remedial activities will be managed in a fashion to ensure that run-on or run-off within the construction areas are minimized. Surface water and/or sediments from construction activities will be controlled and/or collected using soil berms, silt fences, hay bales, low point sumps and sump pumps as necessary. Controlling and managing the surface water will minimize erosion and transportation of sediments into construction areas while minimizing the potential for transporting impacted sediments from the construction areas. During active Site work, Envirocon will develop a stormwater management and erosion control plan and specific to the Site topography and the operations layout. This plan will identify surface water drainage pathways to ensure that all such water is diverted around active excavation areas. This plan will also identify the location of diversion features, as well as erosion control features. The plan will meet the regulations of the Nassau County Sewer Sanitation and Water Supply Department that requires two inches of stormwater storage across the site.

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APPENDIX E

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APPENDIX E: FIELD SAMPLING AND ANALYSIS PLAN

E.1 INTRODUCTION

The Field Sampling and Analysis Plan (FSAP) includes procedures for screening and sampling during and following the remedial activities. The FSAPs intent is to provide a technical basis respond to field conditions as needed (i.e. the depth of excavation may be modified based on subsurface conditions).

The overall objective of the FSAP is to generate data that will be used to:

- Verify subsurface conditions defined by historical data to define target excavation areas;
- Establish background conditions for radiation on the Site;
- Guide excavation activities based on screening and sampling data;
- Collect screening and sampling data to define and support the limits of the excavation;
- Profile waste for manifesting and disposal; and
- Collect samples to verify compliance with target cleanup levels.

Monitoring remediation progress will be performed with a combination of on-Site portable survey instrumentation, including gamma spectroscopy, and gas chromatography (VOCs) and off-Site laboratory analysis for VOC, radiological and metal analyses for soil samples. Conformance with target cleanup levels will rely on an off-Site laboratory analysis of soil samples. Throughout the project, evaluations will be made to correlate the activity noted by the field instruments and the concentrations of nuclides measured by the on-Site analytical methods and off-Site laboratory.

The data collected during the field activities will demonstrate Site remediation. The FSAP will be implemented concurrently with the requirements set forth in the Health and Safety Plan (HASP) and Quality Assurance Project Plan (QAPP) (Appendices B and H, respectively). Discussions in this appendix apply to sampling and analysis for remediation support activities. While the same instruments and procedures may be used to support the Health and Safety Program, that use is not addressed in this section.

E.2 FIELD INVESTIGATION AND REMEDIATION GUIDELINES

This section describes the field investigation and remediation guidelines to be implemented at the Site. On-Site sample analysis capabilities will be available to support remediation decisions including:

- An on-Site gamma spectroscopy system for analyzing bulk soil samples in a low-background/shielded geometry to quantify U-238, Th-232 and their decay products.
- An on-Site gas chromatography system (using solid phase microextraction (SPME) and capillary gas chromatograph) for analyzing VOCs (TCE, PCE, select daughter products and certain aromatics) in soils.

E.2.1 Sample Designation

Each sample will be given a unique designation. The sample nomenclature is outlined below. There are six to seven elements that designate a sample name. Permanent labels will be attached to each sample container. Indelible ink will be used for labels and containers.

CATEGORY	TYPE	MATRIX	LOCATION	DEPTH (m)	NUMBER	QA/QC (if appropriate)
R - Radiological	CH -Characterization	S - Soil	Cell-Grid - (01H)	+/- 01.5	#####	DUP
C - Chemical	CF - Confirmation	W - Water	Cell-Bag - (010034)	N/A	(5 digits)	TB
N - Nickel	VF - Verification	A - Air	X - Other	X - Other		MS/MSD
X-Other	WS - Waste Samples	F - Filter				X-Other
	HS - Health & Safety	D -Debris				S1 (archive)**
	BG - Background	X - Other				S2 (on-Site)**
	X - Other					S3 (off-Site)**
						S4(regulatory)**

Notes:

*: for the 10% CH and CF samples will be shipped off-Site for chemical and radiological analyses

**: for radiological samples only

The first input is the category of sample (i.e. radiological, chemical or nickel). The second input will be the type of sample collected (i.e. characterization, confirmation, verification, waste, health and safety, and background). The third input will be the matrix tested (soil, water, air, filter wipes and debris). This input will be followed by the location including cell, grid/bag and depth. The sixth input is a five-digit number indicating the sequential listing of samples. The five digit length was selected based on the assumed quantity of samples to be collected that would not exceed 99999. A seventh input, if appropriate, will be added if samples are designated as collected for QA/QC or other purposes.

Chain-of-custody records will include sample ID, matrix, location, depth, name of sampler, date and time, analyses, special characteristics and sample preservatives (if applicable).

Examples:

1. The first (00001) radiological (R) sample for verification (VF) purposes that is a soil (S) archive (S1) sample collected from cell (01) and grid (H) at 1.5 meters would be named **R-VF-S-01H-01.5-00001-S1**.
2. The seventh (00007) chemical (C) sample for health & safety (HS) purposes that is an air (A) sample collected from cell (10) and grid (F) at 2.5 meters would be named **C-HS-A-10F-02.5-00007**.

E.2.2 Field Records

Field logbooks will provide a daily record of events, observations, and measurements taken during the field investigation. Field logbooks and copies of chain-of-custody forms will be maintained by GTEOSI or their designee following project completion.

E.3 DETECTION AND ANALYSIS INSTRUMENTS

Field instruments used during the project will provide for diagnostic interpretation of the VOCs and radioactivity in the air, soils, or other matrix.

E.3.1 Volatile Organic Compounds Survey Instruments

Survey instruments that will be used to field screen soil samples for exposure to VOCs include:

- A photoionization detector (PID), MultiRae PlusTM, or equivalent, capable of detecting VOCs with an ionization potential of less than 10.6 eV. This ionization potential range accounts for 70 percent of the VOCs on NYSDEC ASP Target Compound List (TCL). The two main solvents previously detected at the Site, PCE and TCE, have ionization potentials of 9.32 eV and 9.45 eV, respectively. A battery-check and field calibration will initially be performed three times daily using 100 ppm isobutylene in air. If more than a 10% variance of response is noted between any two calibrations, the calibration interval will be adjusted as necessary to keep variance <10%. This information will be recorded in field logbooks and/or on the calibration log sheets.
- Colorimetric tubes, ("Draeger tubes") will be used if elevated PID readings are noted in order to assess whether PCE, TCE, carbon disulfide, or benzene are present as part of the total VOC reading to ensure worker safety. Detection ranges are 2-250 ppm for TCE, 2-300 ppm for PCE, 0.63-100 ppm for carbon disulfide, and 0.5 to 10 ppm for benzene.

E.3.2 Radiation Survey Instruments

Radiation survey instruments will be used to screen soil and debris for radioactivity and monitor air for radioactive dust particles. Pre-operational checks shall be performed on radiation survey instruments including an annual calibration (from manufacturer), daily operational checks, and daily source checks. These calibrations and checks will be performed using National Institute of Standards and Technology (NIST) standards.

The field instruments are capable of detecting the decay of the key nuclides of interest. Based on the nature of the decay sequence exhibited by U-238 and Th-232, these instruments have the ability to evaluate alpha, beta, and gamma emissions. In most cases, the sensitivity of the instruments and on-Site gamma spectroscopy will provide the diagnostic support necessary to identify the presence of impacted materials. One exception to this is that the soils and debris gamma survey methods will not be capable of identifying Th-232 down to the specified cleanup criteria; therefore, achieving cleanup criteria when Th-232 is the limiting analyte will be based on laboratory analysis.

The following describe the radiation survey instrumentation that will be used to directly support field remediation activities.

Gamma Radiation Surveys – Typical field gamma radiation surveys will be performed using sodium iodide (NaI) detectors. A 1-inch NaI, such as a Ludlum Model 19, 12S, or equivalent can be used for qualitative screening and general delineation of surface areas based on gamma radiation levels. A 3-inch NaI, such as a Ludlum Model 44-20 detector calibrated to a Ludlum Model 2350-1 Data Logger, can be used to measure gamma radiation at more sensitive levels. This instrument may be used in conjunction with appropriate shielding/collimation and tied with three-dimensional positioning systems to perform quantitative remediation surveys such as soil characterization final verification walk-over surveys.

Alpha/Beta Contamination Surveys – Typical alpha/beta contamination surveys will be performed using a dual phosphor alpha/beta scintillator such as a Ludlum Model 43-1-1 detector, or a gas flow proportional counter (GFPC) such as a Ludlum Model 43-68 or 43-37, calibrated to a Ludlum Model 2360 Dual Channel Data Logger. The dual phosphor scintillator typically will be used for small-scale surface contamination surveys such as sheet piling clearance surveys in the excavation cell. A GFPC typically will be used to perform large-scale surface contamination surveys such as facility baseline and final verification surveys. Additionally, a Ludlum Model 3030 low background dual phosphor alpha/beta sample counter will be used to measure swipe samples for removable activity.

E.3.3 Air monitoring survey instruments

The perimeter of the Site will be monitored for dust particles using the DustTrak®. The DustTrak® detects the presence of total or respirable particulates through use of a laser photometer. A pump draws particles through an optics chamber for measurement purposes. The instrument will be zeroed prior to each use and factory calibrated annually. Additional calibrations will be implemented as necessary in accordance with the operations manual.

E.3.4 On-Site Radiation Analysis Capability

On-Site gamma spectroscopy analysis will be conducted to guide excavation and waste characterization activities. The field gamma spectroscopy system will be set up to identify the radionuclides previously detected on-Site using a high purity germanium detector. Instrument operators will follow the manufacturer's operating procedures to ensure dependable performance. QA/QC functions of energy calibration accuracy, calibration stability, and duplicate analysis precision will be performed to ensure reliability. The nuclide library will be specific to the radionuclide constituents of concern at the Site and will be consistent with that used by the analytical laboratory (STL). The system will include a shielded counting capability using a geometry that minimizes counting time and provides a high degree of precision (repeatability).

E.3.5 On-Site VOC Analysis Capability

Stone Environmental will use solid phase microextraction (SPME) and capillary gas chromatography to analyze on-Site soil samples for specified VOCs and petroleum hydrocarbons. Specified VOCs include vinyl chloride, cis-1,2-dichloroethene, trans-1,2-dichloroethene, trichloroethene, tetrachloroethene, benzene, toluene, ethylbenzene, m & p xylene, and o-xylene (the three isomers reported as total xylene). The specified petroleum hydrocarbons include gasoline, kerosene, and No. 2 Fuel Oil and diesel. Standard quality control procedures will be followed. The Stone Environmental SOP for on-Site VOC analysis is Attachment 1 to Appendix E.

E.4 FIELD SURVEY PROGRAM

Field survey and sampling activities will be performed while attempting to minimize disturbance to any active on-Site business or local traffic patterns. Surveys will be performed in the field to aid in assessing the need for additional areas of excavation, to characterize soils in situ, and to support waste characterization. This section presents the survey types to be employed to support remedial activities.

E.4.1 Baseline Surveys

Baseline radiation and surface contamination surveys will be conducted at specified locations prior to initiating remediation activities to establish pre-excavation conditions. Verification surveys will be performed following the completion of remediation activities that occur at the same locations.

An indoor baseline contamination survey will be performed in areas that could be potentially impacted by remediation activities. This survey will be performed to establish the pre-remediation background radiation levels. This will facilitate post-remediation verification surveys in the facility to assess the extent of impacts that remediation activities may have had on building surfaces.

Outdoor baseline gamma radiation surveys will be performed prior to the commencement of excavation activities to assess the range of outdoor gamma radiation levels. This survey may be used to form the basis for Site evaluations and to confirm outdoor areas with above background radiation levels.

These baseline surveys will be performed using standard industry survey instrumentation such as recommended by MARSSIM and NUREG 1507. The instrumentation may include gas flow proportional counters (GFPC) or equivalent, suitable to cover applicable building surface areas and capable of achieving minimum detectable surface activity (MDSA) levels sufficiently below established unrestricted release criteria.

MARSSIM will be the primary guidance for instrumentation selection and survey methodology. It is anticipated that a standard systematic baseline survey will be performed at intervals that will allow sufficient coverage and data adequacy to perform the statistical evaluations recommended by MARSSIM.

RESRAD-BUILD or equivalent methods will be used to perform a dose model to derive the concentration guideline levels (DCGLs) that will be used to verify that the facility is suitable for unrestricted release. The DCGLs should be commensurate with the potential constituents of interest and the most likely occupational scenario for the facility.

Following completion of all remediation activities, the areas will be re-surveyed to assess the extent, if any, of residual contamination. The verification survey should be used in conjunction with the initial baseline survey to facilitate distinguishing residual contamination levels or to verify that the surface meets the requirements of unrestricted release.

E.4.1.1 Railhead Baseline and Verification Survey

A gamma radiation survey will be performed at the railhead prior to the commencement of shipping activities to assess the range of pre-operational outdoor gamma radiation levels. This survey will form the basis for evaluations and to document the rail yard pre-operational radiological conditions. Following completion of all shipping activities, the railhead will be re-surveyed for the presence or absence of radiological impacts to verify if the operational activities impacted the railhead location.

E.4.1.2 Borrow Soil Baseline Survey

The designated off-Site land area for providing borrow soils to be used as backfill during excavation will be surveyed to assess the background radiological conditions relative to Site background conditions. This

survey information, along with soil sample information for both radiological and chemical constituents will be used to confirm borrow soil areas for backfill use.

E.4.2 Remediation Activities Surveys

Surveys will be performed to support remediation activities such as waste package release for transport, in situ soils characterization, surgical excavation, and sheet pile clearance.

E.4.2.1 Waste Shipping Survey

All waste packages that are transported from the Site will be surveyed in accordance with Department of Transportation (DOT) requirements for external dose rate and surface removable contamination levels. Additionally, similar surveys will be performed, as appropriate, on the rail transport cars at the railhead prior to and following loading of the waste packages for transport to the disposal facility.

E.4.2.2 Sheet Pile Clearance Survey

Sheet pile clearance surveys will be performed, as appropriate, to verify that the sheet pile materials are appropriately segregated for re-use, disposal, or unrestricted release. These surface contamination surveys will be performed with applicable survey instruments such as the Model 2360/43-1-1.

E.4.2.3 In situ Soils Characterization Survey

Routine surveys will be performed on soil surfaces in the excavation area to assess the progress of excavation, document the soil chemical and radiological conditions, and to facilitate development of the correlation between survey instrumentation response and soil concentrations of constituents of concern. These surveys will be supplemented with soil characterization samples for the same purpose.

Soil PID headspace measurements will be performed in the field to guide excavation activities. A PID threshold reading of greater than 25 ppm will be considered elevated for field screening purposes (although on-going work will be performed in the field to refine this threshold concentration based on soil conditions and VOC distribution encountered).

Radiological characterization surveys will be performed over all accessible soil surfaces within the excavation boundaries at specified depth intervals (i.e. walkover characterization survey may be performed on the exposed surface of the soil at ground level, and then after approximately 2 meters of soil have been excavated, again after 4 meters have been excavated, and so forth until excavation is complete in the specified cell). Characterization surveys will be performed in such a way as to document the radiological survey information along with the date, time, and three-dimensional position data associated with each radiological data point. A gamma radiation survey instrument connected to a laser positioning system (LPS) or equivalent method may be used to tie radiological survey data to survey locations and create a record that can be used in electronic mapping of surveyed areas. Such maps can then be used to direct the general day-to-day excavation activities. The LPS is worn or carried by a surveyor in the field, and operated by a hand-held terminal, which is programmed for such Site-specific applications.

E.4.2.4 Excavation Support Soil Survey

As the excavation process closes in on the final small volumes of impacted soil in a given area, support surveys may be used to delineate discrete areas where soils exhibit radiological levels above cleanup criteria. This method will involve a surveyor, equipped with appropriate detection instrumentation, such as a Model 2350-1/44-20, performing walkover surveys and marking elevated areas or directing the excavation process towards collection of the "final bucket" of contaminated soil. This method is expected to result in remaining soils in the excavation containing residual contamination at concentrations sufficiently lower than the release criteria for U-238; however, it is not intended to quantitatively demonstrate compliance. Furthermore, this method is not intended to directly support the approach to cleanup criteria for soils where Th-232 is the primary constituent of interest. Soils that exhibit concentrations greater than the specified cleanup levels will continue to be excavated. Further excavation of an area will depend on the type and concentration of residual impacts.

E.4.2.5 Confirmatory/Final Verification Survey

Following the completion of excavation support surveys, confirmatory/final verification surveys will be performed to document the conditions of the remaining soils and compliance. Sample grids will be established at the Site using down to 1-meter square resolution that reference the ground control system. These grids will document the locations of readings and verification samples collected and analyzed.

The final verification survey will be performed in such a way as to statistically demonstrate compliance with the applicable cleanup criteria, and will be based on MARSSIM methodology as appropriate.

E.4.2.6 Volatile Organic Compounds Screening

Soils will be screened for VOCs using a PID or equivalent. Grab samples suspected to contain VOCs will be collected, jarred, and placed in a cooler on ice (target temperature of approximately 4° Celsius). Each sample will be brought to ambient temperature prior to headspace analysis. The location and quantity of the VOC samples collected will be selected in the field based on Site conditions encountered.

E.4.3 Soil Excavation Maps

Based on historical VOC, nickel, and radionuclide data, remedial efforts will be focused toward select areas (see **Figures**). The nature of the releases is not well defined and therefore the horizontal and vertical extent of the impacts may be variable. To establish pre-excavation subsurface soil conditions in the target impacted areas, three-dimensional maps have been developed prior to excavation for VOCs, nickel, and radionuclides. These maps will be updated at regular intervals using current characterization data and may be used to direct remedial activities.

E.5 FIELD SOIL SAMPLING PROGRAM

Soil sampling will be conducted during excavation to guide the excavation activities, correlate analytical results to field screening instrumentation, guide waste disposal activities, manifest materials, and to separate non-impacted soils. Verification soil sampling will be performed following completion of excavation in specified areas to support final status assessment toward ultimate Site unrestricted release.

Site investigations have indicated that remediation will be driven by the presence of radioactive material; VOCs and nickel are typically commingled with the radioactive materials. It is unlikely that either VOCs or nickel-impacted materials will need to be handled separately from radioactive impacted materials.

E.5.1 Sampling

E.5.1.1 Background Borrow Soil Sampling

Off-Site borrow soils to be used for excavation backfill will be sampled to quantify the background levels of VOCs, SVOCs, TAL Metals and radionuclides of interest. This will be done to assure that the concentrations are either representative of, or lower than, background concentrations on-Site. The borrow soils will come from an approved location where they are excavated from a virgin source, then stockpiled in a dedicated location awaiting transfer to the Site. Therefore, adequate sampling of these soils at the off-Site stockpile (as opposed to the point of origin) may be performed to provide appropriate characterization. These samples will be collected, transferred to Site, processed, aliquotted, and scheduled for appropriate analyses.

E.5.1.2 Waste Shipping Sampling

Soils excavated and scheduled for off-Site waste disposal will be adequately characterized for both chemical and radiological content via soil sampling and analysis. The results will be compared to waste acceptance criteria and subsequently documented on waste manifests. Representative soil samples will be collected, processed, aliquotted, and submitted for analysis.

E.5.1.3 In situ Soils Characterization Sampling

Soil samples will be collected in the excavation area to assess the progress of excavation, document the soil chemical and radiological conditions, assess elevated survey and PID readings, characterize waste (segregation and/or disposal), confirm impacted soils have been removed from the excavation, and to facilitate development of the correlation between survey instrumentation response and soil concentrations of constituents of concern. The soil sampling will be supplemented with soil surveys for the same purpose.

Characterization sampling will be performed over all accessible soil surfaces along with and following the same methods as the soil characterization survey (Section E.4.2.3). Soil sample will be collected from approximately 6-meter by 6-meter square area and analyzed on-Site for VOCs and radionuclides. Approximately 10% of the samples will be sent off-Site to confirm on-Site results.

E.5.1.4 Confirmatory/Final Verification Sampling

Following the completion of the excavation support surveys and confirmatory/final verification surveys performed to document soil compliance, sample grids will be established using a 1-meter square grid system that reference the ground control system. These grids will document the locations of readings and verification samples collected and analyzed. The final verification surveys and sampling will be performed

in such a way as to statistically demonstrate compliance with the applicable cleanup criteria, and will be based on MARSSIM methodology as appropriate.

Once soil excavation activities are complete based on screening methods, soil confirmation sampling will be performed on the bottom and sidewalls of the excavation. A representative sample (chemical and radiological) will be collected from each specified location to confirm that the soil meets established cleanup levels. Soil samples will be collected from an interval of 6- to 12-inches beneath the finished excavation surfaces. Confirmation/verification soil samples will be collected from intervals determined using MARSSIM application, which primarily depends on the variability of the clean concentrations in the final status soils. These samples will be processed and aliquotted to generate confirmation samples which will be analyzed on-Site. Soil samples having results for on-Site confirmation analyses that indicate cleanup objectives have been met will then be considered for verification analyses by the off-Site laboratory. All verification samples will be analyzed off-Site.

Based on the results of the confirmation sample analysis, the area will be designated:

- Available for verification of final status using MARSSIM-based survey design and statistical evaluation;
- Unavailable awaiting further excavation; or
- Additional sampling required.

E.5.2 Sample Analyses

The analytical program has been designed to both define when and confirm that the chemical and radioactive contaminants associated with historic Site activities have been removed and established cleanup levels have been achieved. Table E-1 is a summary of the analytical program.

E.5.2.1 On-Site Analysis

Soil samples collected will be subjected to shielded gamma spectroscopy analysis on-Site for evaluating radioactivity of the soils to support the excavation activities. The system will include a shielded counting capability using a geometry that minimizes counting time and provides a high degree of precision (repeatability) (see Section E.3.4). The results will also be used for field instrumentation correlation purposes. The correlation developed will be used to guide field activities and to facilitate removal of only those soils exhibiting above background radiation. It is assumed that soils sampled for shielded gamma spectroscopy will have only residual soil moisture; although these soils may require some degree of open-air drying, they should not require any oven drying.

The Stone Environmental on-Site laboratory will use solid phase microextraction (SPME) and capillary gas chromatography to perform screening analyses to support efficient excavation activities (see Section E.3.5). As with radiological characterization surveys, routine surveys will be performed on soil surfaces in the excavation area. The purpose of the surveys is to assess the progress of excavation, document the soil VOC concentrations, and to facilitate development of the correlation between the Stone on-Site laboratory results and the off-Site laboratory results for VOC constituents of concern. These surveys will be supplemented with soil characterization samples for the same purpose. The frequency and location of samples will be based on prior analytical results as the on-Site laboratory will typically provide results

within 0.5-hour of sample acquisition. Soils to be analyzed on-Site for VOCs will first be subjected to a methanol extraction. Aliquots of the methanol extract will be analyzed on-Site.

An approximately 10% duplication of the samples analyzed on-Site will be sent to the off-Site laboratory for analysis. The VOC and radiological results from the on-Site analysis and off-Site laboratory (STL – Earth City, Missouri) will be compared to develop and assess the correlation between the two laboratories.

E.5.2.2 Off-Site Analysis

Samples collected will be submitted to STL Earth City, Missouri, a NYSDOH ELAP Certified laboratory for analysis by *United States Environmental Protection Agency (USEPA) Methods with NYSDEC Analytical Services Protocol (ASP) 2000*. Sample analyses will be performed in accordance with the *Methods for Chemical Analysis of Water and Waste, USEPA 600/4-83-020, Test Methods for Evaluating Solid Wastes, SW-486*. The QAPP presents the analytical methods and QC objectives to be used during the field activities.

Chemical Constituents (VOCs and Metals)

Soils that are suspected to contain elevated concentrations of VOCs or nickel will be sampled and sent to an off-Site laboratory for analysis of VOCs and metals using USEPA Methods 8260B and 6010B, respectively. Sampling for nickel will be conducted concurrently with the VOC samples collected to define the limits of the excavation. Soils that exhibit VOCs and nickel concentrations greater than the established cleanup levels will be excavated and removed from the Site.

Radionuclides

Soil samples will be sent to an off-Site laboratory for radiochemistry analyses. Samples will be analyzed using gamma spectroscopy via Environmental Measurements Laboratory (EML) Procedures, USDOE Health and Safety Laboratory Method 300 4.5.2.3 (HASL 300). Samples may be analyzed by alpha spectroscopy for isotopic thorium using either the National Academy of Sciences Method TH-NAS-NS-3004 or the USDOE RP-725 Group Actinide Screening Using Extraction Chromatography (Eichrom) Method. Samples may also be analyzed by alpha spectroscopy for isotopic uranium using either the National Academy of Sciences Method U-NAS-NS-3050 or the USDOE RP-725 Group Actinide Screening Using Extraction Chromatography (Eichrom) Method.

Table E-1 Analytical Summary Program						
Field Task	Rationale	Analyses	Environmental Samples**	QC Samples		
				Field Duplicates	Trip Blanks	MS/MSD
Soil Samples Chemistry – on-Site Lab	Confirm non-impacted soils remain	VOCs	TBD	1 in 20 (1 in 10 to off-Site Lab for correlation)	1 per shipment	1 in 20
Soil Samples Chemistry – off-Site Lab	Confirm non-impacted soils remain	Nickel	TBD	1 in 20		1 in 20
Soil Samples Chemistry – off-Site Lab	Verify non-impacted soils	VOCs Nickel	TBD TBD	1 in 20	1 per shipment	1 in 20
Soil Samples Radionuclides	Quantify process residuals Verify non-impacted soils	Gamma spec. Alpha spec.	Typically 20-30 per survey unit Number of samples will be determined using methods identified in MARSSIM, following the remediation activities	1 in 20	1 in 20	N/A
Water Sample(s) (if necessary)	Verify disposal parameters	TCLP VOCs	TBD	0	1 per shipment	0
		Radionuclides	TBD	0	0	0
Air Samples (if necessary)	Verify ambient air content	PCE/TCE	TBD	1 in 20	1 per shipment	0
		Radionuclides	TBD	0	0	0

Notes:

Analyses for radionuclides may include thorium 230, 232, uranium 234, 235, 238, and radium. Field duplicates will be collected at an appropriate rate of one duplicate for each 20 samples. Soils analyzed by Alpha Spectroscopy will target uranium or thorium.

Based on previous analytical results, the confirmation/verification soils will not be analyzed for SVOCs, PCBs or TAL Metals (other than nickel). If oily or significantly stained soils are noted based on field observations, additional analyses may be performed at the discretion of field personnel.

** The actual number of samples will vary depending upon the field conditions encountered and the need to delineate process residuals that are found during the investigation.

E.6 SOIL SEGREGATION

During the excavation activities, soil may be segregated into non-impacted and impacted material. Impacted materials will be placed in Lift-Liners™, sampled, and manifested for disposal. Non-impacted materials may be stockpiled and sampled to confirm that the materials are clean. Soil will be analyzed for VOCs, nickel and radionuclides. Non-impacted soils may be used as backfill or released for unrestricted use.

E.7 POST-EXCAVATION

Subsequent to completing the excavation activities, a post-excavation radiological survey will be performed to evaluate the above background concentrations. The survey results will be compared to the pre-excavation screening results to verify that the areas of remediation meet target cleanup levels. The survey grid will be the same as that used for the ground control system.

Readings will be taken from the ground surface contact and at a height of 1-meter above the ground surface using a NaI gamma detector. Areas exhibiting gamma levels not within either the statistical range of background or the pre-excavation survey may be subject to further evaluation, and if appropriate, removal operations and confirmation sampling.

APPENDIX E
ATTACHMENT 1
STONE ENVIRONMENTAL SOP

SYL00116595



STANDARD OPERATING PROCEDURE**SEI-10.1.1**

***DETERMINATION OF AROMATIC AND CHLORINATED VOLATILE
ORGANICS AND LIGHTWEIGHT PETROLEUM HYDROCARBONS
(TYPICAL RANGE C4-C16) COMPOUNDS USING SOLID PHASE
MICROEXTRACTION (SPME) AND A GAS CHROMATOGRAPH IN SOIL
AND WATER SAMPLES
(MODIFIED SW846 METHODS 8021/8015)***

SOP Number: SEI-10.1.1

Date Issued: 02/21/03

Revision Number: 1

Date of Revision: 03/06/03

1.0 OBJECTIVE

This method is designed to measure the concentration of specified volatiles organic compounds (VOCs) and various classes of petroleum hydrocarbon compounds in water and soil samples using solid phase microextraction (SPME) and a Gas Chromatograph equipped with a capillary column. Specific VOCs of interest include vinyl chloride, cis-1, 2-dichloroethene, trans-1, 2-dichloroethene, trichloroethene, tetrachloroethene, benzene, toluene, ethylbenzene, m & p xylene, and o-xylene (typically reported as total xylene). The petroleum hydrocarbon compounds of interest include: gasoline, kerosene, No. 2 Fuel Oil, and diesel fuel (specifically hydrocarbons between the range of C4-C16).

2.0 SUMMARY OF METHOD

This method provides gas chromatographic conditions for the detection of certain aromatic and chlorinated VOCs and petroleum hydrocarbons (typical range C4-C16). The Gas Chromatograph is equipped with a narrow bore capillary column and a Flame Ionization Detector (FID). Samples are prepared in 24 mL extraction vials. The SPME fiber is then exposed to the headspace above the sample for a set number of minutes while the sample is rapidly stirred to facilitate the release of the analytes from their respective media. The exposure time must be consistent for all standards and samples (typically six minutes). The absorbed analytes are thermally desorbed from the SPME fiber in the injection port of a Gas Chromatograph and transferred to the capillary column.

This method is suitable for analysis of water, soils, and wastes.

Soil samples are collected in methanol in 40 mL VOA vials and water samples are collected in 40 mL VOA vials.

This method is based on EPA SW-846 Methods 8000, 8021B and 8015.

3.0 DEFINITIONS

SPME – Solid Phase Microextraction

VOC – Volatile Organic Compounds

QA/QC – Quality Assurance/Quality Control

Lightweight petroleum hydrocarbons- typically gasoline range organic petroleum hydrocarbons in the carbon range of C4-C16.

Laboratory Control Sample (LCS) - A reagent water or method blank matrix spiked with the analytes of interest. The spike recovery is used to evaluate method accuracy or control.

Instrument Blank – Involves only the SPME fiber. The fiber is exposed to laboratory room air (for a time equal to the exposure time for the samples and calibration standards) prior to analysis. The instrument blank is used to measure contamination associated with laboratory room air, the fiber, and the GC.

Method Blank - A reagent water or soil sample spiked with surrogates and subjected to the same preparation procedures as the associated samples. The method blank is used to measure contamination associated with that of the instrument blank and the reagents (dilution water and solvents that contain QC standards) used as part of the program. The surrogate recoveries of the method blank are used as matrix-free laboratory controls.

EPA - U.S. Environmental Protection Agency.

4.0 INTERFERENCES

When analyzing for VOCs, samples can be contaminated by diffusion of volatile organics (particularly chlorofluorocarbons and methylene chloride), through the sample container septum during shipment and storage. A trip blank prepared from organic-free reagent water and carried through sampling and subsequent storage and handling must serve as a check on such interferences.

Sulfur dioxide is a potential interferant in the analysis for vinyl chloride.

Contamination by carryover can occur whenever high-concentration and low-concentration samples are analyzed in sequence. To reduce the potential for carryover, the sample syringe or purging device must be rinsed out between samples with an appropriate solvent. Whenever an unusually concentrated sample is encountered, it should be followed by injection of a solvent blank to check for cross contamination.

Purging vessels and syringes should be adequately cleaned and flushed prior to use. All glassware must be kept scrupulously cleaned. Clean all glassware as soon as possible after use by rinsing with the last solvent used or distilled water. Store clean dry glassware in a clean environment.

The flame ionization detector (FID) is a non-selective detector. There is a potential for many non-target compounds present in samples to interfere with this analysis.

5.0 SAFETY ISSUES

1. Laboratory personnel should take extra care when working with standards. When working with neat standards, make certain that there is adequate ventilation and that Nitrile or Latex gloves are worn.
2. If necessary and appropriate, a site-specific health and safety plan shall be created for each study site.
3. Field visits may involve accessing remote areas. Health and safety concerns regarding these field visits are minimal, however, hazards such as slip, trip and falls, poisonous plant and dangerous animals, as well as getting vehicles stuck in remote areas, do present considerable health and safety issues. To help ensure field staff's health and safety in remote areas, all field staff are to have daily communication with the project manager or another appropriate SEI employee.
4. All chemicals are required to be received with a Material Safety Data Sheets (MSDS). MSDSs shall be made available to all personnel involved in the sampling and testing.

6.0 EQUIPMENT AND SUPPLIES

1. Gas Chromatograph: Analytical system complete with gas chromatograph and all required accessories, including a detector, column supplies, gases, syringes and data system to determine peak areas and perform integrations. Hewlett Packard 5890 Series II.
2. Analytical Column: SPB-624 10m x 0.20mm ID, 1.1 um film.
3. Detector: Flame ionization detector (FID).
4. Array of Microsyringes: range 5-1000 uL.
5. Balance: Top loading, capable of weighing accurately to 0.01 grams (soil samples only).
6. Sample introduction and preparation apparatus: SPME Fiber type 100 um polydimethylsiloxane (PDMS) extraction, magnetic hot plate and magnetic stirrers, tube clamp and stand.
7. VOA vials: 40 mL collection containers with Teflon[®]-lined septum and 24 mL extraction vials

7.0 REAGENTS AND STANDARDS

1. Reagents: Organic-free reagent water demonstrated to be free of compounds of interest (spring water, carbon filtered and/or deionized). Purge and Trap Grade or equivalent grade methanol (demonstrated to be free of analytes and stored away from other solvents).
2. Stock standards – Stock standards may either be prepared from pure standard materials or purchased as certified solutions. Secondary dilution standards are prepared accordingly using stock standard solutions, which contain the compounds of interest, either singly or mixed together. The aqueous standards are prepared at concentrations as listed in Section 9.0. Calibration standards at a minimum of five different concentrations for VOC analytes and at a minimum of three for petroleum hydrocarbon compounds are prepared in water.

8.0 SAMPLE COLLECTION AND HANDLING

8.1 Sample Collection

1. Aqueous samples are collected in 40 mL Teflon®-lined septum VOA vials filled to ensure that no headspace is present. If storage of these samples is expected to exceed seven days, aqueous samples should be preserved with hydrochloric acid (HCL) to a pH of < 2.
2. Soil samples are collected in 40 mL vials. An aliquot of approximately 10 grams of sample is then placed in a VOA vial with 10 mL of methanol.

8.2 Handling and Holding Times

Unpreserved water samples must be analyzed within 7 days of collection. Preserved (preserved with HCl to a pH of < 2) water samples must be analyzed within 14 days of collection. Soil samples collected in methanol must be analyzed within 14 days from collection. All samples must be chilled to $4^{\circ}\text{C} \pm 2^{\circ}\text{C}$ prior to analysis. All samples for this program are typically analyzed within one or two days from collection, therefore, holding times should not be a concern.

9.0 PROCEDURES

9.1 Typical GC Program

Oven Temp: 35°C (0.5 min) to 160°C at 30°C/min.

Carrier Gas: Helium, 40 cm/sec (set at 40°C)

Detector: FID

Injector: 240°C, splitless (close 3 min)

Liner: 0.75 mm ID splitless/split injection port

Flow rates: Helium 1.0 ml/min

Air 450 ml/min

Hydrogen 33 ml/min

Helium makeup 30 ml/min

9.2 GC Column

Column: SPB-624 10m x 0.20mm ID, 1.1 um film

9.3 Material Preparation:

SPME: Fiber Type: 100 um polydimethylsiloxane (PDMS).

Extraction: The fiber is exposed to the headspace above a sample for 6 minutes while the sample is rapidly stirred on a magnetic stirring plate. Each magnetic stirrer is rinsed three times with methanol and a final rinse with volatile free water prior to use. Prior to use, each fiber must be conditioned for at least one hour in the GC inlet at 240°C. The fibers are very fragile and should not be exposed to hard surfaces, as they will damage easily.

9.4 Operating Procedure

9.4.1 Calibration Criteria

9.4.1.1 Initial Calibration (ICAL):

1. Five-point calibration for VOC compounds (5, 20, 50, 100, 200 ppb). The low standard must be set at the practical quantitation limit (PQL).
2. Three-point calibration for petroleum hydrocarbon standards (50, 200, 1,000 ppb). If appropriate and necessary based on the observed chromatographic pattern of the petroleum hydrocarbons detected in site samples, a three-point calibration for Diesel and No. 6 Fuel Oil (200, 500, 1000 ppb) will be prepared. It should be noted that this headspace methodology would only detect the lightweight petroleum hydrocarbons associated with these fuel oils.
3. Calibration range must encompass the expected sample concentration; therefore, if site samples are expected to be higher in concentration than the calibration range, adjustments to the calibration range and samples will be documented and made accordingly.
4. The linearity of the calibration curves must be assessed and are used for all quantitation. Volatile organic compounds use an internal standard procedure (internal standard; fluorobenzene). The mean Relative Response Factor (RRF) for the curve is used for quantitation. The percent relative standard deviation (%RSD) for the initial calibration curve must be less than or equal to 30 (30%).
5. For the petroleum hydrocarbon compounds external standard calibration will be performed using a specific window (specifically all peaks encompassing approximately (C4-C16) at approximately 3.2 to 7.2 minutes. The correlation coefficient of the calibration must be greater than 0.99 (> 0.99).

9.4.1.2 Continuing Calibration (CCV):

1. A mid-point continuing calibration verification standard for VOC compounds at 50 ppb must be analyzed daily: prior to sample analysis in order to verify the initial calibration; after every 10 analytical runs which include environmental and QC samples; and at the close of an analytical run. A percent difference of the daily RRF compared to the

average RRF from the initial curve is calculated. The percent difference values for each compound must be less than or equal to $\pm 20\%$.

$$\%D = \frac{\text{RRF (mean)} - \text{RRF (from CC)}}{(\text{mean})}$$

2. A mid-point CCV standard for petroleum hydrocarbons (500 ppb for diesel or No. 2) must be analyzed daily; prior to sample analysis in order to verify the initial calibration; after every 10 analytical runs which include environmental and QC samples; and at the close of an analytical run. A percent difference of the daily concentration gasoline range petroleum hydrocarbons found compared to the nominal concentration is calculated. The percent difference values for petroleum hydrocarbons must be less than or equal to $\pm 30\%$.

$$\%D = \frac{\text{Expected Conc.} - \text{Actual Conc.}}{\text{Expected Conc.}}$$

9.4.1.3 Initial Calibration Verification Standard (ICV):

A QC sample from a second (independent) source will be analyzed directly after the ICAL. The ICV sample will contain all the VOC compounds of interest at 50 ppb. Recovery Limits for the ICV will be 70-130%.

9.4.2 Retention Time Windows and Pattern Recognition

The laboratory shall identify single component target analytes on the basis of retention time windows (± 0.04 minutes from the ICAL). Petroleum hydrocarbons are distinguished on the basis of the ranges of retention times for characteristic components in each type of fuel. During the initial calibration, the retention time window of these components is established and documented. Once the range and retention time window is established, they will be used for the identification of the compounds of interest.

9.4.3 Sample Preparation:

Water samples: An aliquot of sample, sufficient to get the highest concentration constituents into the upper half of the linear range, is transferred to a 24 mL extraction vial and spiked with the surrogate (bromofluorobenzene at 50 ppb) and internal standard (fluorobenzene at 50 ppb). The SPME fiber is then exposed to the headspace above the sample for six minutes while the sample is rapidly stirred with a magnetic stirrer on a magnetic plate. The six minutes is measured using a bench-top timer. Extraction time may be lengthened depending on the anticipated equilibration response of the target analytes at given concentrations.

Soil samples: Preserved in methanol – 10 g of soil is added to 10 mL of methanol containing an appropriate amount of bromofluorobenzene. After addition of the site soil and prior to analysis, the vial is hand-shaken for two minutes. An aliquot of methanol, sufficient to get the highest concentration constituents into the upper half of the linear range but not to exceed 2 mL, is diluted to volume with analyte free water in a 24 mL vial, and analyzed using SPME in the same manner as a water sample.

9.4.4 Analysis of Samples:

Analysis of samples is performed using SPME followed by analysis on a GC equipped with a narrow bore capillary column and a FID. For this program the fiber is exposed to the headspace above the sample. The exposure time needs to be consistent (6 minutes for this method). To facilitate the release of the analytes from their respective media, the sample is rapidly stirred throughout the extraction. The adsorbed analytes are thermally desorbed in the injection port of the GC and transferred to the capillary column.

9.4.5 Surrogate (SS) and Internal Standard (ISTD) Compounds for VOC compounds

Compound	Amount Spiked
Bromofluorobenzene (SS)	50 ppb
Fluorobenzene (ISTD)	50 ppb

9.4.6 Surrogate Spike Compound for Petroleum Hydrocarbons Compounds

Compound	Amount Spiked
Fluorobenzene	50 ppb

9.4.7 Matrix Spike and Matrix Spike Duplicate (MS/MSD) Compounds:

Compound	Amount Spiked*
Vinyl Chloride	TBD
cis-1,2-Dichloroethene	TBD
trans-1,2-Dichloroethene	TBD
Trichloroethene	TBD
Benzene	TBD

Toluene	TBD
Ethylbenzene	TBD
Total Xylene	TBD

*TBD = to be determined: for water samples the MS will be spiked at 50 ppb; the amount may change to account for the concentration of a particular analyte found in the sample being analyzed as a MS. For soil samples, an appropriate amount of the target analytes are spiked into the 10 mL of methanol prior to the addition of the site soil. Matrix Spike Analyses will contain only the VOC compounds of interest.

9.4.8 Target Compound List Compounds

Compounds	Practical Quantitation Limits	
	Water (ug/L)	Soils (ug/kg)
Vinyl Chloride	20	400
cis-1,2-Dichloroethene	5	100
trans-1,2-Dichloroethene	5	100
Trichloroethene	5	100
Tetrachloroethene	5	100
Benzene	5	100
Toluene	5	100
Ethylbenzene	5	100
Total Xylene	5	100
Petroleum Hydrocarbon Compounds* (Light Weight)	50	500

* If upon visual inspection of the chromatogram the petroleum hydrocarbon compounds are suspected to be that of No. 6 Fuel Oil or heavier weight hydrocarbons, the PQL will be higher; approximately 200 ug/L for waters and 2400 ug/kg for soils. PQLs are sample dependent and may change based on sample dilution used during the analysis; adjustments to the PQLs will be made accordingly.

10.0 CALCULATIONS

Identification of the project- specific VOCs in the sample chromatogram is achieved by comparing the retention times generated by the calibration standards, continuing calibration standard and other fortified QC samples. Retention times must be within ± 0.04 minutes from the ICAL. If a retention time shift is observed in the CCV, then adjustments to the retention time windows will be made accordingly. Quantification of the VOCs is determined using the mean RRF for that analyte from the initial calibration curve.

Quantification of the lightweight petroleum hydrocarbon compounds is determined by summing the peak areas found in the chromatographic window of the sample and using a linear regression of the calibration curve. The SPME gas chromatograph (GC) headspace method will detect only those petroleum hydrocarbon compounds that are lightweight, i.e., those that are typically found in gasoline, kerosene, a portion of No. 2 Fuel Oil and diesel. The higher boiling constituents of No. 2 Fuel Oil, diesel, and No. 6 Fuel Oil will not be detected by this method. Therefore, the petroleum hydrocarbon results will be used for screening the presence or absence of lightweight petroleum hydrocarbons. Actual concentrations will be semi-quantitative.

The concentration of each analyte in the sample may be determined by calculating the amount of standard injected, from the peak response, using the calibration curve or mean RF from the ICAL as noted above.

For the analysis of the petroleum hydrocarbons, sum the area of all peaks eluting between approximately 3.2-7.2 minutes (set range should be used for both standards and samples). This area is used to calculate petroleum hydrocarbons.

Range concentration = RF x Dilution x (Total FID Area – Surrogate Area).

Use the HP Chemstation software to calculate sample hydrocarbon range concentrations for water in ug/L and soil in ug/Kg.

11.0 QUALITY CONTROL AND CORRECTIVE ACTION

11.1 Instrument Blank (SPME Fiber Blank)

To be performed once daily at the start of the analytical day. All target analyte concentrations detected in the instrument blank must be less than one-third the PQL value prior to continuing.

11.2 Method Blank

One per analytical batch (10 samples) directly after the calibration standard and after highly contaminated samples to demonstrate that there is no carry over into subsequent samples. All target analyte concentrations detected in the method blank must be less than one-third the PQL value prior to continuing.

11.3 Surrogate Standards

Surrogate recoveries should be 75-125% for water and soil samples. Samples with surrogate recoveries falling outside of quality control limits should be reanalyzed once. If the reanalysis of the sample is also outside the quality control limits, then it will be determined that the problem may be associated with the sample matrix and noted as such.

11.4 Matrix Spike and Matrix Spike Duplicate (MS/MSD) Analysis

An MS/MSD analysis is required every set of twenty samples. A sample will be chosen to perform a matrix spike analysis. Matrix spike analyses will not target samples which are non-detect (ND). The control limits for the matrix spike recoveries will be derived empirically using the most recently acquired group of data. If no data is available, advisory recovery limits (set forth by the USEPA, Contract Laboratory Program) of 70-130% will be used.

$$\% \text{Recovery} = \frac{\text{Sample Spiked Concentration} - \text{Un-Spiked Sample Concentration}}{\text{Spiked Concentration}}$$

11.5 Initial Calibration Verification Standard (ICV)

A QC sample from a second (independent) source than that of the initial calibration will be analyzed directly after the ICAL. The ICV sample will contain all the VOC compounds of interest at 50 ppb. Recovery Limits for the ICV will be 70-130%. This sample may also be used as the laboratory control sample (LCS).

11.6 CORRECTIVE ACTION

<i>Quality Control Check</i>	<i>Minimum Frequency</i>	<i>Acceptance Criteria</i>	<i>Corrective Action</i>
Initial Calibration (ICAL)	As necessary.	Minimum of five points for VOCs. Minimum of three points for petroleum hydrocarbon. Low standard must not exceed reporting limit. %RSD may not exceed 30% for all target compounds. Petroleum hydrocarbon > 0.99.	Verify solution integrity and check instrument performance. Perform necessary maintenance and recalibrate instrument. Reanalyze all affected samples.
Initial Calibration Verification (ICV)	One per calibration (following acceptable ICAL)	QC limits are 70 to 130% for target compounds	Reanalyze once; if still out verify solution integrity or ICAL solution integrity, and instrument performance. Re-prepare and reanalyze all associated samples.
Retention Time (RT) Window Study	Every new column installation	All target compounds and surrogates in all standards must fall within the established window of ± 0.04 minutes from ICAL	Perform system maintenance. Reanalyze affected samples.
Continuing Calibration Verification (CCV)	Every 10 samples	See Section 9.0. $\leq \pm 20\%$ for VOCs $\leq \pm 30\%$ for petroleum hydrocarbons	Verify solution integrity and instrument performance. Reanalyze standard once, if still out, recalibrate and reanalyze affected samples.
Method Blanks	One per preparation batch	Target Compounds < one-third reporting limit	Investigate source of contamination. Re-prepare and reanalyze all associated samples.
Matrix Spike (MS) and Matrix Spike Duplicate (MSD)	One set per 20 samples of a similar matrix	QC limits are 70-130%. RPD not to exceed 30%.	Reanalyze once; if still out, verify solution integrity and instrument performance. If necessary analyze a LCS or ICV and if acceptable, narrate as possible matrix effect.
Instrument Blanks	Following high level samples.	Target compounds < one-third reporting limits	Continue to analyze instrument blanks or perform decontamination procedures.

11.7 Data Review

The analyst is responsible for primary data review of data generated from the sample analysis. Instrument calibrations and recoveries of all QC samples must be within specified control limits. If instrument calibration or the recoveries of any QC sample exceed specified tolerances, then the affected sample results are evaluated and generally the samples are submitted for re-analysis. To determine if analytical results are acceptable, a qualified and independent QA/QC program shall conduct a secondary review on a weekly basis. A QA/QC Checklist (Attachment 1) is used to indicate any problems with the referenced analytical batches. The QA/QC checklist will also address any corrective action taken. All calibrations, calculations, and transcriptions are checked for accuracy and QC sample results are evaluated against specified limits. If instrument calibration and recoveries of all QC samples are within the specified criteria, then the data reports will be submitted to the Project Manager as final results with no qualifiers. If recoveries of any QC samples exceed specified limits and re-analysis is not an option, then the samples will be qualified as estimated with a "J" qualifier (J= The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.). Data will not be reported if significant QC issues affect the batch analyses.

12.0 REFERENCES

Pawliszyn, Janusz, 1999, Applications of Solid Phase Microextraction, in RSC Chromatography Monographs; Smith, Roger S., Series Editor, Royal Society of Chemistry, Cambridge, UK, 655 p.

13.0 TABLES, DIAGRAMS, FLOWCHARTS, AND VALIDATION DATA

Attachment 1: Sample GC Laboratory QA/QC Checklist

14.0 AUTHORIZATION

Authored by: _____ Date: _____

Michael D. Rossi, Project Scientist

Approved by: _____ Date: _____

Christopher T. Stone, President

Attachment I

**SAMPLE GC LABORATORY
QA/QC CHECKLIST**



GC LABORATORY QA/QC CHECKLIST

Date: _____

QC Analysis**Criteria****Filename(s):**

IC Calibration:	%RSD \pm 30% VOCs, >0.99 (other)	
CC Calibration:	%D \pm 20 % VOCs, \pm 30% (Other)	
SPME Fiber Blank:	< 1/3 reporting limit	
Method Blank:	< 1/3 reporting limit	
ICV Standard:	70-130%	
MS/MSD Analysis:	70-130%	
Surrogate Standards:	75-125%	
Other (describe):		

Comments/Corrective Action:

Prepared By: _____

Reviewed By: _____

NA = None Available

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ADDENDUM #1 TO

STANDARD OPERATING PROCEDURE #SEI-10.1.0

*DETERMINATION OF AROMATIC AND CHLORINATED VOLATILE ORGANIC
COMPOUNDS AND LIGHTWEIGHT PETROLEUM HYDROCARBONS (TYPICAL
RANGES C4 - C16) COMPOUNDS USING SOLID PHASE MICROEXTRACTION
AND GAS CHROMATOGRAPHY IN SOIL AND WATER SAMPLES
(MODIFIED SW846 METHODS 8021/8015)*

SOP Number: SEI-10.1.0

Date Issued: 02/21/03

Addendum #1 Date: 04/15/03

The purpose of this addendum is to document modifications to Stone Environmental Inc.'s (SEI) SOP 10.1.0. The modifications have been implemented to address concerns by the New York State Department of Environmental Conservation (NYDEC) and to provide a better field analytical program.

Modification #1: SEI field lab will analyze laboratory duplicates at a 10% frequency.

NYDEC guidelines for GC field screening methods requires 10% laboratory duplicate analyses. Originally, the SOP #SEI-10.1.0 did not include lab duplicates.

Modification #2: Vinyl chloride will be reported down to 200 ug/Kg. Values between 400 ug/Kg and 200 ug/Kg will be reported with a J qualifier.

Site remediation objectives require vinyl chloride reporting limit of 200 ug/Kg for the field screening. SOP #SEI-10.1.0 states a reporting limit of 400 ug/Kg for vinyl chloride. An MDL study has been performed and the field laboratory will report down 200 ug/Kg.

Modification #3: MS/MSD spiking will occur after samples have arrived back at the field laboratory.

SOP #SEI-10.1.0 states that MS/MSD spiking of soils will occur at the time the methanol vials are prepared. Due to the volatility of the target compounds (mainly vinyl chloride) there is a potential for losses during the sampling process. Therefore, the spiking will occur at the time the samples (methanol and soil) arrive back at the field laboratory.

Modification #4: Soil Sample Mass will be approximately 12 grams.

SOP #SEI-10.1.0 states that a sample mass of 10 grams will be used for these analyses. To obtain the reporting limits that are specified SOP #SEI-10.1.0, it has been determined that a soil mass of approximately 12 grams is required when using 10 milliliters of methanol.

Modification #5: Analytical run time extension to better quantitate total petroleum hydrocarbons (TPH).

If evidence of TPH compounds is present within normal run time (6.75 minutes), sample will be re-analyzed using a modified GC program that extends out to 11 minutes. All calibrations and calibration check standards will be performed using the 11 minute GC program.



ENVIROCON, INC.

EXCAVATION PLAN

**GTE Operation Support Incorporated, Hicksville, NY
70, 100, 140 Cantiague Rock Road
NYSDEC Site Voluntary Cleanup Number: V00089-01**

DATE: February 26, 2003

1.0 Introduction

This excavation plan provides the procedures to be implemented during remedial activities. The large volume of samples enhanced optimization of the remedial activities. Several computer-generated models projecting the area(s) of the impacted soil were completed based on the sample information.

Using this modeling, the GTEOSI operations project team was able to evaluate an approach and develop sequencing for the removal of the impacted soil. The impacted areas have been separated into 12 individual excavation areas (cells) for the purpose of coordinating and documenting the remedial activities. The 12 cells do not include the area of the driving range, an area North of cell 1 (Northeast of the 140 Property), and an area South of cell 7 (30 feet East of building 70).

2.0 Scope/Approach

- 2.1 The impacted areas were separated into 12 individual cells to establish an excavation approach and shoring system based on the depth of the excavation. Each cell is approximately 60' by 90' (excavation) and will be enclosed by a structure that is 60' by 120'. The 30' additional feet will be used as a staging area for the material and equipment used for excavation and removal. Cells with projected excavation depths greater than 12' will be protected with a shoring system using both sheet piling and bracing.
- 2.2 A NYS-licensed surveyor will set up each cell with a grid system to identify impacted soil within the cell and to locate the historical structures.
 - 2.2.1 Samples from the previous investigation will identify the impacted areas, assist in the development of the initial approach for excavating, assign the level of Personal Protective Equipment (PPE), and sample requirements.
- 2.3 The shoring system will be designed for each cell and will be installed prior to the installation of the structure over the cells. Two small excavation areas, one in the extreme NE corner of the 140 Property and

one approximately 30' east of the 70 building, will be excavated without an enclosure. Both areas are shallow.

- 2.4 The use of the structure to remove the impacted areas associated with the golf course driving range (driving range) will be evaluated during the removal of cells 1, 2 and 4. During these excavations sampling information will be collected specific to their eastern boundaries to further establish the impacts to the areas on the driving range.
- 2.5 The structure will be set on top of the shoring system and anchored to the sheeting as per the manufacturer's recommendations.
- 2.6 Storm water accumulation from around the edges of the enclosure will be managed as addressed in the Interim Drainage Plan.

3.0 Sequence of Activities for Excavation

- 3.1 Cell set up
 - 3.1.1 An Activity Hazard Analysis (AHA) will be developed for each cell. The AHA, using information gathered from the investigation and historical documents, will indicate the areas of higher impacted soils and historical structures within the individual cell. The AHA will be reviewed by all personnel working within the cell.
- 3.2 The surface area of each cell will have a 10-meter x 10-meter grid laid out by the surveyor on the asphalt prior to any disturbance. The corners of the grid will coordinate with the site drawings. Once the corners of the 10-meter grids have been verified, a 1-meter sub-grid system will be overlaid onto each of the 10-meter sections within the excavation area. Each sub-cell (1-meter square) will be evaluated based on concentrations, depth, and surface area.
- 3.3 The excavation of impacted soil will start at the end of the structure opposite of the staging (load out) area. The excavation will be performed from side to side (width) in individual lifts (depths). The horizontal length will depend on the estimated vertical depth of the impacted area.
- 3.4 When the lift has reached the designed depth, the bottom and sidewalls will be screened and sampled per the protocols within the Field Sampling and Analysis Plan (FSAP) provided in the Soil Remediation Program Work Plan. In the event that the excavation exposes any section of the sheeting wall, the wall will be screened to evaluate the decontamination effort.

4.0 Material Handling

- 4.1 Characterization of the impacted soil will be performed for each sub-cell within each cell of the excavation.
 - 4.1.1 Initial characterization for each sub-cell will be evaluated prior to the removal based on previous samples. The purpose of

characterization during removal is to establish an inventory and to control the concentration of the inventory placed within each Lift Liner®.

- 4.1.2 The blending of different levels of radiological activity (concentrations) in the soil from each sub-cell is a function of the excavation activity. The goal will be to control the activity levels in each Lift Liner® to maintain expectable levels for transport purposes.

4.2 Containerization

- 4.2.1 Lift Liner® bags will be the primary container used for transportation of the impacted soil.
- 4.2.2 For the Lift Liners® containing primarily small pieces of concrete and debris, a protective sheet made of 8oz non-woven geo-textile fabric will be placed in the Lift Liner®.
- 4.2.3 Lined intermodals will be used as needed for large quantities of concrete and other debris as it is encountered during excavation activities.
- 4.2.4 The loading frame for the Lift Liner® bags will be protected from the impacted soils by 4-mil poly sheeting. This will be placed over the Lift Liner® before any soil is loaded. Once the Lift Liner® is full (approximately 8 cubic yards) the poly sheeting will be wrapped up and folded into the Lift Liner®. The outer flaps of the lift liner will be folded inward and the Lift Liner® sealed.

4.3 Transfer to the Staging area

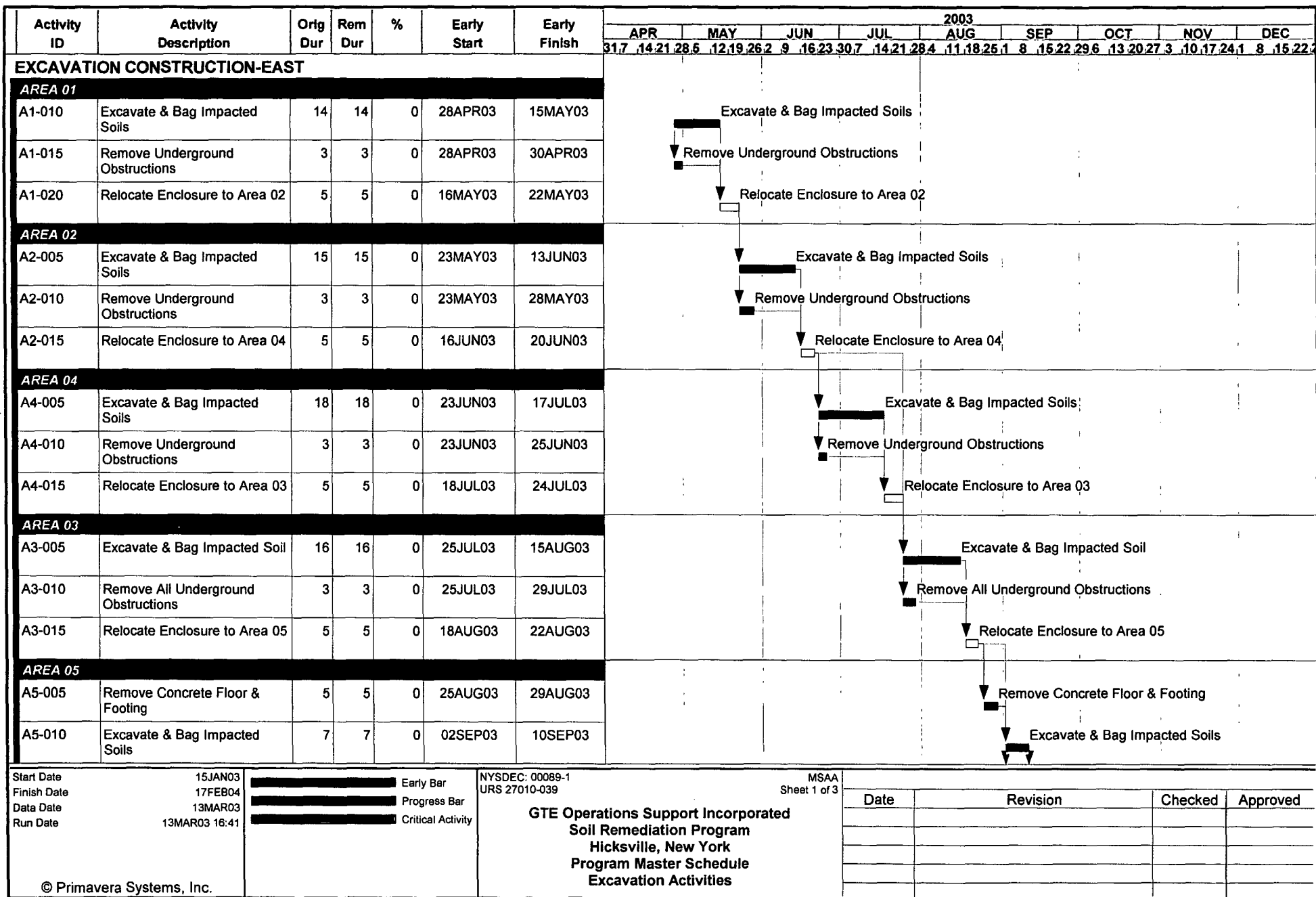
- 4.3.1 Once each Lift Liner® is sealed, it will be identified and taken to an area in the enclosure where the exterior surfaces will be scanned and inspected prior to leaving the enclosure.

5.0 Excavation Considerations

- 5.1 The excavation area(s) will be evaluated by an approved OSHA Excavation Competent Person prior to any persons entering these areas for any reason.
- 5.2 A Civil Engineer registered in the State of New York will design the shoring system(s) for each cell for the purpose of protecting personnel entering the excavation area.
- 5.3 Areas within the excavations that show the potential to generate excessive dust during removal will be misted to reduce the airborne potential.
- 5.4 Dust control will be kept to an absolute minimum by means of other engineering controls, such as slowing the equipment down and controlling the air movements, during removal activities.

SOIL REMEDIATION PROGRAM
FORMER SYLVANIA ELECTRIC PRODUCTS FACILITY
HICKSVILLE, NEW YORK
GTE Operations Support Incorporated

EXCAVATION SEQUENCE	AREA OF EXCAVATION	START DATE	EXCAVATION QUANTITY (CY)	DIRECTION OF AIR LOCK
EXCAVATION CREW NUMBER ONE				
1	AREA 01	28-Apr-03	2,339	SOUTH
2	AREA 02	23-May-03	2,267	SOUTH
3	AREA 04	23-Jun-03	2,610	NORTH
4	AREA 03	25-Jul-03	3,026	NORTH
5	AREA 05	25-Aug-03	1,098	SOUTH
6	AREA 06	18-Sep-03	2,731	SOUTH
7	GOLF COURSE DRIVING RANGE	17-Oct-03	693	N/A
SUB TOTAL			14,764	
EXCAVATION CREW NUMBER TWO				
1	AREA 07	18-Jul-03	1,217	WEST
1A	AREA 07A	11-Jul-03	56	N/A
2	AREA 08	31-Jul-03	1,216	WEST
3	AREA 09	29-Aug-03	2,660	EAST
4	AREA 10	30-Sep-03	2,260	EAST
5	AREA 11	28-Oct-03	1,636	NORTH
6	AREA 12	18-Nov-03	1,268	NORTH
SUB TOTAL			10,313	
GRAND TOTAL			25,077	
PRODUCTIVITY RATES: 168 CY / DAY NOTES: (1) Area 05 and 06 will start with concrete slab removal from building 140. (2) Total quantities as of February 27, 2003. (3) Start in Area 09 dependant on building 70 returned to owner. (4) Area 07A has been inserted with a estimated quantity & will be done during building 70 shutdown period.				



SYL00116616

Activity ID	Activity Description	Orig Dur	Rem Dur	%	Early Start	Early Finish	2003											
							APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC			
							31.7	14.21	28.5	12.19	26.2	9	16.23	30.7	14.21	28.4	11.18	25.1
A5-015	Remove Underground Obstructions	3	3	0	02SEP03	04SEP03						▼ Remove Underground Obstructions						
A5-020	Relocate Enclosure to Area 06	5	5	0	11SEP03	17SEP03						▼ Relocate Enclosure to Area 06						
AREA 06																		
A6-005	Remove Concrete Floor & Footing	5	5	0	18SEP03	24SEP03						▼ Remove Concrete Floor & Footing						
A6-010	Excavate & Bag Impacted Soils	16	16	0	25SEP03	16OCT03						▼ Excavate & Bag Impacted Soils						
A6-015	Remove Underground Obstructions	3	3	0	25SEP03	29SEP03						▼ Remove Underground Obstructions						
A6-020	Investigate & Decommission Enclosure #1	5	5	0	17OCT03	23OCT03						Investigate & Decommission Enclosure #1						
GOLF COURSE DRIVING RANGE																		
DR-005	Excavate & Bag Impacted Soils	4	4	0	17OCT03	22OCT03						▼ Excavate & Bag Impacted Soils						
AREA 12																		
A12-005	Excavate & Bag Impacted Soils	8	8	0	17NOV03	26NOV03						Excavate & Bag Impacted Soils Will Utilize Excavation Crew #2						
A12-010	Remove Underground Obstructions	3	3	0	17NOV03	19NOV03						▼ Remove Underground Obstructions						
A12-015	Investigate & Decommission Enclosure #2	5	5	0	01DEC03	05DEC03						Investigate & Decommission Enclosure #2						
EXCAVATION CONSTRUCTION - SOUTH																		
AREA 07																		
A7-005	Excavate & Bag Impacted Soils	7	7	0	18JUL03	25JUL03						▼ Excavate & Bag Impacted Soils						
A7-010	Remove Underground Obstructions	3	3	0	18JUL03	21JUL03						▼ Remove Underground Obstructions						
A7-015	Relocate Enclosure to Area 08	5	5	0	26JUL03	30JUL03						▼ Relocate Enclosure to Area 08						
AREA 7A																		
A7A-005	Excavate & Bag Impacted Soils	1	1	0	11JUL03	11JUL03						Excavate & Bag Impacted Soils Execute - Restore During Outage Period						
AREA 08																		
A8-005	Excavate & Bag Impacted Soils	7	7	0	31JUL03	07AUG03						▼ Excavate & Bag Impacted Soils						
A8-010	Remove Underground Obstructions	3	3	0	31JUL03	02AUG03						▼ Remove Underground Obstructions						

Activity ID	Activity Description	Orig Dur	Rem Dur	%	Early Start	Early Finish	2003											
							APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC			
							31.7	14.21	28.5	12.19	26.2	9	16.23	30.7	14.21	28.4	11.18	25.1
A8-015	Relocate Enclosure to Holding Area	5	5	0	08AUG03	12AUG03												
AREA 09																		
A9-010	Excavate & Bag Impacted Soils	16	16	0	28AUG03	19SEP03												
A9-015	Remove Underground Obstructions	3	3	0	28AUG03	02SEP03												
A9-020	Relocate Enclosure to Area 10	5	5	0	22SEP03	26SEP03												
AREA 10																		
A10-005	Excavate & Bag Impacted Soils	13	13	0	29SEP03	15OCT03												
A10-010	Remove Underground Obstructions	3	3	0	29SEP03	01OCT03												
A10-015	Relocate Enclosure to Area 11	5	5	0	16OCT03	22OCT03												
AREA 11																		
A11-010	Excavate & Bag Impacted Soils	10	10	0	27OCT03	07NOV03												
A11-015	Remove Underground Obstructions	3	3	0	27OCT03	29OCT03												
A11-020	Relocate Enclosure to Area 12	5	5	0	10NOV03	14NOV03												

Relocate Enclosure to Holding Area

Excavate & Bag Impacted Soils

Remove Underground Obstructions

Relocate Enclosure to Area 10

Excavate & Bag Impacted Soils

Remove Underground Obstructions

Relocate Enclosure to Area 11

Excavate & Bag Impacted Soils

Remove Underground Obstructions

Relocate Enclosure to Area 12



APPENDIX G: SITE SECURITY PLAN

G.1 SITE ACCESS LIMITATIONS AND SECURITY

Site security will be provided on a 24-hour per day basis during active periods of work at the Site. This will ensure that access to the Site is limited to defined ingress and egress points and that access is limited to Site workers and otherwise authorized personnel. To ensure limited access, the active work zones will be provided with a fenced, gated perimeter kept locked during non-working hours.

G.2 SIGNAGE

Signage will be provided at various locations of the Site to ensure that workers and persons entering the Site are explicitly directed to appropriate areas and specifically away from hazard areas. Signs will be brightly colored to ensure identification of hazards at the Site. Key areas of signage will include the following:

- Site address;
- Site entrance;
- Office location postings;
- Exclusion area locations;
- Overhead hazard areas;
- Decontamination areas;
- Materials storage areas; and
- Equipment and truck traffic corridors.

G.3 BARRICADES AND FENCING

The number of people that can access the Site or individual work areas will be controlled. Barricades and fencing will be used to ensure perimeter control at key locations such as Exclusion Zones that are identified during the project. The location of these zones will change over the course of the project. In general, fencing around work areas will be polyethylene construction grade fence placed sufficiently far enough from hazards, such as excavations, to ensure worker safety.

G.4 WELLHEAD PROTECTION PROGRAM

Wellhead protection will be provided for leaching pools, wet wells, and monitoring wells to ensure that no releases into the well bores may occur as a result of either routine surface water runoff or flooding associated with storm events. These features will be flagged and provided with a sign for visual identification. Each location will be mapped and evaluated with respect to their elevation in relation to adjacent areas to determine potential surface water flow patterns.

The integrity of each wellhead or drain feature will be evaluated and a determination made of protective measures that are necessary to prevent uncontrolled or unintended drainage into the subsurface. Any drain or wellhead that could serve as an inappropriate conduit for surface water or fines migration into the subsurface will be sealed prior to commencing work. The type of seals installed will be dependant upon

the conditions at the drain but will seek to seal the entire perimeter of the point of access. Seal material will be a durable product that can be either structurally bound to the drain or attached using an elastomeric sealer.

Wet wells or leaching pools within work areas will be subject to detailed screening prior to initiating field remediation efforts, and as appropriate will be cleaned of debris to ensure proper function with respect to the infiltration of clean storm water runoff. Diversion or routing of surface water during various periods of the project will be performed to prevent surface water run-on within active remediation areas.

G.5 SITE UTILITY PROTECTION

Utility services used during the project are expected to be limited to existing services. Prior to and during the course of the project, all active utilities entering or leaving the active remediation areas will be marked and protected as necessary to prevent disturbance.

G.6 DRAIN SEALING

Drains that are located proximate to work areas will be sealed prior to commencing any invasive activity that could generate materials that could enter such drains. Sealing will be performed using silicon, or other appropriate watertight sealing material, and will be placed around the entire perimeter of the drain. To the extent possible, within areas where surface water could inundate the drain, curbing will be provided to prevent water from ponding over the sealed drain.

Dry wells that are located within the work area will also be sealed subject to the considerations noted previously for Site storm water management.

APPENDIX H

APPENDIX H: QUALITY ASSURANCE PROJECT PLAN

H.1 INTRODUCTION

This Quality Assurance Project Plan (QAPP) has been developed for GTE Operations Support Incorporated (GTEOSI). The QAPP provides quality assurance/quality control (QA/QC) criteria for work efforts associated with sampling of environmental media at the former Sylvania Electric Products Incorporated Facility (the "Site") in Hicksville, New York. This QAPP is one component of the Work Plan, which also includes a Health and Safety Plan, Field Sampling Plan, Traffic Control Plan, Storm Water Management and Erosion Control Plan, Excavation Plan, and Site Security Plan. This QAPP is based on the previously NYSDEC-approved Work Plans developed by O'Brien & Gere Engineers, Inc. for investigations conducted at the Site during the period 1999 through 2001.

While each person involved in the remedial activities and generation of data is implicitly part of the QA program for the project, certain individuals have specifically designated responsibilities as defined in the Project Team Section of the Report (Section 3). This document has been prepared in accordance with NYSDEC RCRA QAPP Guidance (NYSDEC 1991) and the *USEPA's Guidance for Quality Assurance Project Plans (USEPA QA/G-5, 1998)*. This QAPP will assist in generating data of a known and acceptable level of precision and accuracy. The QAPP provides information regarding the project description and sets forth specific procedures to be used during sampling of relevant environmental matrices, other field activities, and analyses of data. The following quality assurance topics are addressed in this plan:

- Quality objectives for data measurement;
- Sampling procedures;
- Documentation and chain-of-custody;
- Calibration procedures;
- Sample preparation and analytical procedures;
- Data reduction, usability, and reporting;
- QA/QC checks;
- Performance and system audits;
- Preventive maintenance;
- Data assessment procedures;
- Corrective actions; and,
- QA reports to management.

The remainder of this document provides details on these topics.

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H.2 DATA QUALITY OBJECTIVES

Data quality objectives (DQOs) are both quantitative and qualitative statements specifying the quality of the environmental data required to support the decision making process. DQOs define the total acceptable uncertainty in the data for each specific activity conducted during the remedial activities. The uncertainty includes both sampling and analytical error. Zero uncertainty is the goal however, both field and

laboratory variables inherently contribute to the uncertainty of the data. The overall objective is to keep the total uncertainty within a range that will not hinder the intended use of the data. The QA/QC requirements have been established such that there will be a high degree of confidence in the measurements.

The principal DQOs of the remedial activities are to generate data of sufficient quality to support both qualitative and quantitative conclusions concerning the evaluation of the nature and extent of process residuals at the Site. In order to achieve these DQOs, the process of data generation was designed to develop a body of analytical data of sufficient quality to be used to support conclusions made as a result of the remedial activities. Specific data quality criteria for precision, accuracy, representativeness, completeness, comparability, and sensitivity are specified in this document.

Laboratory analyses and analytical levels will adhere to the guidelines described in USEPA's Data Quality Objectives for Remedial Response Activities (USEPA 1987). Analytical levels are defined in the guidance document as follows:

- Level I implies field screening or analysis using portable instruments. Results are often not analyte specific and not quantitative but results are available on a real-time basis.
- Level II implies field analyses using portable analytical instruments (mobile Site laboratory). There is a wide range of the quality of data that can be generated for Level II analyses depending on the use of suitable calibration standards, reference materials, sample preparation equipment, and training of the instrument operator. Results are available on a real-time basis or within several hours.
- Level III implies off-Site laboratory analysis. Level III analyses may or may not use USEPA Contract Laboratory Program (CLP) procedures or a CLP laboratory, but may not use documentation procedures required of Level IV analyses. Level III analyses can provide data of the same quality as Level IV, but USEPA Methods such as Test Methods for Evaluating Solid Waste (SW-846) (USEPA 1996) are used instead of CLP methods.
- Level IV implies CLP routine analytical services (RAS). All analyses are performed in an off-Site CLP analytical laboratory following CLP protocols. Level IV is characterized by rigorous QA/QC protocols and documentation.
- Level V implies analyses by non-standard methods including CLP special analytical services (SAS). All analyses are performed in an off-Site analytical laboratory. Method development or method modification may be required for specific constituents or detection limits.

Table H-1 contains sampling efforts, objectives, analyses, data uses, and analytical levels. The remainder of this QAPP describes the specific approaches that will be taken to achieve the required DQOs.

The USEPA states that the purpose of a QA/QC program is to define "procedures for the evaluation and documentation of sampling and analytical methodologies and the reduction and reporting of data. The objective is to provide a uniform basis for sample collection and handling, instrument and methods maintenance, performance evaluation, and analytical data gathering and reporting" (USEPA 1987). NYSDEC's, guidance document for QAPPs, states that "quality assurance is a management system for ensuring that all information, data, and decisions resulting from the remedial activities are technically sound, and properly documented" (NYSDEC 1991). QC is the functional mechanism through which QA achieves its goals.

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Table H-1. Sampling efforts, objectives, analyses, data uses, and analytical level.

Sampling effort	Objective	Types of analysis*	Data uses	Analytical level
Soil sampling	Quantify process residuals formerly used at the Site, if any	VOCs Nickel Radionuclides	Worker health and safety and proper disposition of soils	I, II and III
Air Sampling	Quantify PCE and TCE levels in the ambient air, if any; Radionuclides in dust particles, if any are present	VOCs Radionuclides	Worker health and safety and compliance with the Community Air Monitoring Program	I, II, and III
Surface Water	Impounded surface water, if any is encountered	VOCs, Nickel, Radionuclides	Proper disposition of surface water	II and III

Notes:

VOCs – volatile organic compounds

Radionuclides may include alpha spectroscopy and gamma spectroscopy on a sample specific basis.

* If oily or significantly stained soils are noted based on field observations, additional analyses may be performed at the discretion of field personnel.

The following is a brief description of the chemical data quality parameters addressed in the QAPP.

Precision describes the reproducibility of measurements under a given set of conditions. Specifically, it is a quantitative measure of the variability of a group of measurements that have been made in an identical manner, compared to their average value. Precision can be expressed in absolute methods such as deviation from the mean or median values, standard deviation and variance, or relative methods, such as relative deviation from the mean or median. The overall precision may be established through the analysis of field and laboratory duplicate samples. For this project, a DQO goal for precision has been established that 80 percent of the analytes must meet the established criteria to be considered usable. If this goal is not met, appropriate corrective actions will be taken.

Accuracy is defined as the degree of difference between measured or calculated values and the true value. The closer the numerical value of the measurement comes to the true value, or actual concentration, the more accurate the measurement. Accuracy is expressed in terms of absolute or relative error. Accuracy will be determined through analysis of spiked samples and standards with known concentrations. An overall project DQO goal for accuracy has been established that 80 percent of the analytes must meet established accuracy criteria to be considered accurate and usable. If this goal is not met, appropriate corrective actions will be taken.

Representativeness refers to the degree to which a sample taken from a site accurately reflects the matrix at the site. This qualitative parameter is most concerned with the design of the sampling program. Factors that should be considered in the determination include appropriateness of sampling and analytical methodologies, and representativeness of the selected media and analytical procedures. Representativeness will be achieved by the use of procedures for the collection and preservation of samples as described in the methods, NYSDEC's RCRA QAPP Guidance (NYSDEC 1991), the Work Plan, and this QAPP.

Comparability refers to the use of consistent procedures, second source reference standards, reporting units, and standardized data format with document control. Adherence to standard procedures and the analysis of external source standard materials indicates that data generated from a particular method at a given laboratory can be validly compared to the data of another. This QAPP has been written to provide data that will be comparable to other data collected, as standard methods will be used for the remedial activities.

Completeness refers to the process of obtaining the required data as outlined in the Work Plan. Completeness is also defined as the percentage of measurements judged to be useable. Samples for which the critical data points fail completeness objectives will require reanalysis of (within the specified holding times) until the DQOs are met. The completeness goal has been specified at 90 percent.

Sensitivity refers to a measurable concentration of an analyte that has an acceptable level of confidence. Method detection limits (MDLs) are the lowest concentration of an analyte that can be measured with 99 percent confidence that the analyte concentration is greater than zero. Practical quantitation limits (PQLs) and/or reporting limits (RLs) are levels above the MDLs at which the laboratory has demonstrated the quantitation of analytes. The chemical analytical methods associated with this project have MDLs, PQLs, and RLs at sufficiently low levels to adequately assess the project DQOs.

For radiochemical analyses, detection levels are estimated based on the characteristics and observations of the analyses of a given sample and are, therefore, sample based. Here detection levels are referred to as minimum detectable concentrations.

H.2.1 Field Sampling

The objective of field sampling procedures is to obtain samples that represent the environmental matrix being investigated. This will be accomplished through the use of proper sampling techniques and equipment as presented in the Work Plan.

H.2.2 Laboratory Analyses

To obtain data of a quality sufficient to meet the applicable project DQOs, the following methods will be performed:

- Volatile Organic Compound (VOC) analysis by gas chromatography/mass spectrometry (GC/MS);
- Nickel analysis by ICP; and
- Radionuclide analysis by alpha and gamma spectroscopy, on a sample specific basis.

The specific methods, analytical QA/QC, and data reporting will adhere to the analytical methods listed in Table H-2 along with NYSDEC Analytical Services Protocol (ASP) 6/00 revisions, Exhibit E requirements as applicable to chemical analyses (NYSDEC 2000). Severn-Trent Laboratories (STL) in Earth City, Missouri will perform the analyses for chemical and radiological parameters. STL is NYSDOH ELAP certified and NELAP accredited in the State of Utah.

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Table H-2. Analytical methods

Parameter*	Analytical method	Reference
VOCs	SW-846 Method 8260B	1
Nickel	SW-846 Method 6010B	1
Thorium 228, 230, 232	TH-NAS-NS-3004 or DOE RP - 725	2, 3
Uranium 234, 235, 238	U-NAS-NS-3050 or DOE RP-725	4, 3
Gamma Spectroscopy	EML HASL 300 4.5.2.3 or LANL ER-130 Method 901.1 (Modified)	5, 6

Notes:

VOCs - volatile organic compounds

* If oily or significantly stained soils are noted based on field observations, additional analyses may be performed at the discretion of field personnel.

References:

- 1- *Test Methods for Evaluating Solid Waste, 3rd Edition*. Washington, D.C. USEPA, 1996.
- 2- National Academy of Science Method TH-NAS-NS-3004.
- 3- US Department of Energy (DOE) RP-725- Group Actinide Screening Using Extraction Chromatography (Eichrom).
- 4- National Academy of Science Method U-NAS-NS-3050
- 5- Environmental Measurements Laboratory (EML) Procedures Manual, - US Department of Energy - Health and Safety Laboratory Method (HASL) 300 4.5.2.3.
- 6- *Health and Environmental Chemistry: Analytical Techniques, Data Management, and Quality Assurance*, LA-10300-M, Vol. II, Los Alamos National Laboratory (LANL), Los Alamos, New Mexico, May 1986 (Revised March 1995).

H.3 SAMPLING PROCEDURES

Sampling procedures, practices, and locations that will be used during the remedial activities are presented in the Work Plan.

H.3.1 Field QA/QC Samples

In order to evaluate data quality, QA/QC samples will be collected during the remedial activities. Table H-3 lists the QC samples to be collected by analyses and matrix type. The discussion of field QA/QC samples is directed largely to samples collected for chemical analyses.

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Table H-3 Analytical Summary Program						
Field Tasks	Rationale	Analyses*	Environmental Samples**	QC Samples		
				Field Duplicates	Trip Blanks	MS/MSD
Soil Samples Chemistry	Confirm unaffected Soils remain	VOCs Nickel	TBD	1 in 20 1 in 20	1 per shipment	1 in 20 1 in 20
Soil Samples Radionuclides	Quantify process residuals. Verify non-impacted soils	Gamma spec. Alpha spec.	Typically 20-30 per survey unit Number of samples will be determined using methods identified in MARSSIM, following the remediation activities	1 in 20	1 in 20	N/A
Water Sample(s) (if necessary)	Verify disposal parameters	TCLP VOCs Radionuclides	TBD TBD	0 0	1 0	0 0
Air Samples (if necessary)	Verify ambient air content	PCE/TCE Radionuclides	TBD TBD	1 in 20 0	1 per shipment 0	0 0

Notes:

- Analyses for radionuclides may include thorium 230, 232, uranium 234, 235, 238, and radium. Field duplicates will be collected at an appropriate rate of 1 duplicate for each 20 samples (5%). Soils analyzed by Alpha Spectroscopy will target uranium or thorium.
- Based on previous analytical results, the soils will not be analyzed for SVOCs, PCBs or TAL Metals (other than nickel).
- * If oily or significantly stained soils are noted based on field observations, additional analyses may be performed at the discretion of field personnel.
- ** The actual number of samples will vary depending upon the field conditions encountered and the need to delineate process residuals that are found during the investigation.

Table H-4 (attached) discusses the handling and preservation of soil samples.

H.3.1.1 Field Duplicate Samples

Collection of field duplicate samples (samples collected from one location and sent to the laboratory blind) provides for both the evaluation of the laboratory's performance by comparing analytical results of two samples from the same location and to evaluate field sample collection procedures. One field duplicate sample will be collected for every 20 environmental samples (frequency of 5 percent).

H.3.1.2 Matrix Spikes and Matrix Duplicates, Matrix Duplicates

For chemical analyses, matrix spike/matrix spike duplicate (MS/MSD) samples are duplicate samples that have spiking solutions added. MS/MSD samples are considered identical to the original sample and require that the sampled material be homogenized in the field and laboratory prior to analyses. Due to the

potential loss of VOCs during homogenization, samples collected for VOCs analyses will not be homogenized. The percent recovery of the spiked amount indicates the accuracy of the extraction as well as interference caused by the matrix. Relative percent difference (RPD) between spike sample recoveries will indicate the precision of the data. One MS/MSD sample set will be collected for every 20 environmental samples (frequency of five percent).

For radiochemical analyses, matrix duplicate (MD) analyses will be performed according to the following criteria. A Relative Error Ratio (RER) of less than one for 80 percent of the total radiochemical measurements and less than 3.5 for all measurements will be considered acceptable. An RER is a measure of precision, which is dependent of the actual analyte concentration being measured. The RER may be calculated as:

$$RER = \frac{R_1 - R_2}{\sqrt{TPU_{1(1\sigma)}^2 + TPU_{2(2\sigma)}^2}}$$

where: R_1 = analytical sample result
 R_2 = analytical duplicate result
 $TPU_{(1)}$ = 2 sigma total propagated uncertainty for sample (1) or duplicate (2)

In addition, for alpha spectrometry measurements, each sample will be spiked with appropriate tracers to evaluate recovery.

H.3.1.3 Field Blanks/Equipment Blanks

Field blanks/equipment blanks will consist of samples of analyte-free water that are passed through and over decontaminated sampling or excavation equipment. One equipment blank will be collected per sampling event. Field/equipment blanks will not be required if dedicated sampling equipment is used. The field/equipment samples will be subject to the same analyses as the environmental samples.

H.3.2 Sample Preparation and Preservation

Immediately after collection, samples will be transferred to labeled sample containers and properly preserved. Table H-4 (attached) lists the proper sample containers, volume requirements, and preservations. Samples requiring refrigeration for preservation will be promptly transferred to coolers packed with ice. Samples will be transported within 24 hours and arrive at the laboratory no later than 48 hours after collection. Samples will be extracted, digested and/or analyzed within the holding times specified in Table H-4. Proper chain-of-custody documentation will be maintained as discussed below.

H.4 SAMPLE CUSTODY

Chain-of-custody procedures will be instituted and followed throughout the remedial activities. These procedures include field custody, laboratory custody, and evidence files. Samples are physical evidence and will be handled according to strict chain-of-custody protocols documenting the samples from collection through analyses. The USEPA has defined custody of evidence as follows:

- Actual possession;
- In view after being in physical possession; and
- In a secure, restricted area.

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QA measures will begin with the sample containers. Pre-cleaned sample containers will be purchased from an USEPA-certified manufacturer. Chain-of-custody records will be kept starting in the field when sample collection is completed. In the field logbook, samplers will note physical characteristics of the sample, date, time, location, abnormalities and equipment employed during collection. The chain-of-custody form will be signed and placed in the shipping container. The custody seals will be initialed and affixed to the latch and lid of the shipping container. Broken seals will indicate tampering prior to reaching the laboratory. When the samples arrive at the laboratory, the sample custodian will sign the vendor's air bill or bill of lading and attach the shipping label to the chain of custody.

The sample custodian's duties and responsibilities upon sample receipt will be to:

- Document receipt of samples;
- Inspect sample shipping containers for integrity;
- Sign the appropriate forms or documents, verify and record the agreement or disagreement of information on sample documents and, if there are discrepancies, record the problem and notify the field manager;
- Label sample with laboratory sample number; and
- Place samples in secure, limited-access storage.

At the laboratory, the analysts will be required to log samples and extracts in and out of storage as the analysis proceeds. Samples and extracts will be returned to secure storage at the close of business. Written records will be kept of each time the sample or extract changes hands. Care must be exercised to properly complete, date, and sign items needed to generate data. Copies of the following will be stored for incorporation into the sample file:

- Documentation of the preparation and analysis of samples;
- Bench sheets, graphs, computer printouts, instrument logs, chromatograms, mass spectra, and copies of the analyst's notebooks, as applicable;
- Copies of QA/QC data; and
- Analytical tracking forms that records the date, time, and identity of the analyst for each step of the sample preparation, extraction, and analysis.

H.5 CALIBRATION AND FREQUENCY

Proper calibration of laboratory analytical instrumentation is essential to obtain reliable data and meets the established DQOs. Analytical instrument calibration is monitored through the use of control limits that are established for individual analytical methods. Calibration procedures are specified in the analytical methods and in NYSDEC ASP 6/00 revisions, Exhibit E (NYSDEC 2000). These procedures specify the calibration materials to be used and the type, range, and frequency of calibration. The laboratory will be responsible for proper calibration and maintenance of laboratory analytical equipment. The following subsections detail some of the calibration procedures.

H.5.1 Gas Chromatography/Mass Spectrometry (GC/MS)

Before the GC/MS is calibrated, the mass calibration and resolutions of the instruments are verified by a 50-ng injection of 4-bromofluorobenzene (BFB) for VOCs. The tune must meet the ion abundance criteria specified in the analytical method. The system must be verified every 12 hours of analysis and

when the instrument performance check solution fails to meet criteria. After re-tuning, the performance check solution is reanalyzed. Samples are not analyzed until tuning criteria are met.

An initial five-point calibration is performed for the target compounds prior to start-up and whenever system specifications change or if the continuing calibration acceptance criteria have not been met. One of the calibration standards must be at a concentration between one and five times reporting limits. The relative response factors (RRFs) and percent RSD of specific compounds must meet established criteria as specified in the method. If these parameters fail to meet criteria, corrective actions must be implemented and the initial calibration must be repeated.

A midpoint continuing calibration standard containing the target compounds is analyzed at the beginning of every 12-hour period following the GC/MS tune. This standard must meet specific QC limits listed in the method to verify that the initial five-point calibration is still valid.

H.5.2 Nickel

A two-point calibration for metals ICP analyses and a five-point curve is performed for spectrophotometers and graphite furnace is performed daily. The calibration curves must have correlation coefficients greater than or equal to 0.995. Calibration verification is monitored by analyzing a verification standard and a blank following calibration, every 10 samples, and at the end of the analytical sequence. The calibration verification standard recovery must be within 90 to 110 percent for all metals or the instrument must be resloped and, if necessary, recalibrated. The calibration blank must not contain target compounds at concentrations greater than the reporting limits or corrective actions are implemented. To verify inter-element and background corrective factors for ICP analysis, interference check samples (ICSA and ICSAB) must be analyzed at the beginning and end of the analysis sequence or a minimum of twice per 8-hours. The percent recoveries for ICS solutions must be within 80 to 120 percent or corrective actions must be implemented. In addition, a serial dilution analysis must be performed per sample matrix. If the analyte concentration is greater than fifty times the instrument detection limit (IDL) in the original sample, a five-fold serial dilution must agree within ten percent of the original determination. Detection limits, inter-element corrective factors, and linear ranges must be established at the frequency specified in the method.

H.5.3 Radionuclides

For isotopic analyses, on an annual basis, NIST-traceable sources are used for determining detector efficiencies of solid-state detectors. These efficiencies are checked weekly using non-NIST standards. The check source data are only used to verify reproducibility of the detectors. On a quarterly basis, system amplifiers are calibrated to align source energies into calibrated sources. The reproducibility of the energy calibrations is checked weekly. Peak resolution checks are performed on a daily basis using electronic pulsars. The resolutions are determined to not exceed 100 keV FWHM. System backgrounds are determined weekly and subtracted from sample results. Calibration sources will contain a mixture of alpha emitters giving well-separated peaks that cover the region from 2 to 4 meV.

The manufacturer will calibrate equipment used for field isotopic analyses. During the remedial activities, the working condition of the equipment will be evaluated using check sources at the beginning and ending of each day's work using standardized check sources.

H.5.4 Standards and Solutions

The use of standard materials of a known purity and quality is necessary for the generation of reproducible data. The laboratory will monitor the use of laboratory solutions, standards, and reagents.

Standard reference materials, performance evaluation materials, and solutions are obtained from the NIST USEPA, or USEPA-certified commercial vendors. Verification in the form of a certification from the supplier, comparison to a standard curve, or another standard from a separate source is performed prior to use. Standards are routinely checked for signs of deterioration, including unusual volume changes, discoloration, formation of precipitates, or changes in analyte response.

Solvent materials are also verified prior to use. Each new lot of solvent is analyzed to verify the absence of interfering constituents. Reagent and method blanks are routinely analyzed to evaluate possible laboratory-based contamination of samples.

H.5.5 Records

A bound notebook will be kept with each instrument that requires calibration. The notebook will contain a record of activities associated with QA monitoring and instrument repairs. The laboratory will also maintain a record book for standards indicating the material name, control or lot number, concentration, supplier/manufacture, preparation date, chemist who prepared the standard and the expiration date. These records will be checked during periodic equipment review and internal and external QA/QC audits.

H.5.6 Equipment

Each major piece of analytical laboratory instrumentation that will be used on this project has been documented and is on file with the laboratory. An equipment form will be prepared for each new purchase and old forms will be removed from the instrument area and filed when an instrument is replaced.

The laboratory will be required to maintain an equipment form detailing both preventative maintenance activities and the required QA testing and monitoring. In the event the instrument does not perform within the limits specified on the monitoring form, the Laboratory Manager will be notified and a decision will be made as to what corrective action is necessary. The corrective action procedure shall be documented in the instrument log. If repairs are made to the instrument, they will be documented in the instrument logbook. Required QA/QC testing and monitoring will be completed prior to the resumption of sample analysis.

H.6 ANALYTICAL PROCEDURES

The accuracy and precision of the analytical data generated by the laboratory will be determined through the analysis of duplicate, spike, reference, laboratory control, and blank samples. Interferences will be identified, documented, and acted on by the laboratory to achieve the specified detection limits. Samples may be diluted only if analytes of concern generate responses in excess of the linear range of the instrument. The selection of analytical cleanup methodologies will follow method requirements. In such cases, the laboratory will document that the laboratory demonstrated good analytical practices in order to achieve the specified detection limits.

The accuracy of the method will be evaluated by spiking the sample matrix with analytes and surrogates. Standards and reference materials will also be analyzed to determine analyte concentrations for comparison with expected concentrations and to provide a measure of accuracy of the methods. Percent recoveries of the spikes will be calculated and compared with control limits. A measure of precision will be obtained through the RPD between MS/MSD and laboratory duplicates. Sampling precision will be evaluated based on the RPD of duplicate field samples and compared to established control limits.

The generated data will be input into the laboratory's database management system. Records will be incorporated into the final file for the samples. Complete descriptions of analytical procedures to be used in the laboratory are described in the methods and in the laboratory's QA Manual.

H.6.1 Method Detection Limit

The MDL is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is present and is greater than zero. For inorganics, the instrument detection limit (IDL) is determined by multiplying the Students t-Test value the standard deviation obtained for the analysis of a standard solution at a concentration of 3 to 5 times the estimated IDL on 3-days with a minimum of seven measurements. The PQL is the lowest concentration that can be reliably quantified within specified limits of precision and accuracy during routine laboratory operations. Tables H-5 through H-7 list typical laboratory PQLs or reporting limits.

Table H-5 Laboratory PQLs for VOCs (SW8260B)

Parameter	Soil PQL (ug/kg), dry wt.	Water PQL (ug/L)
Chloromethane	5	2
Vinyl Chloride	5	1
Bromomethane	5	2
Chloroethane	5	2
Acetone	10	10
1,1-Dichloroethene	2.5	1
Methylene chloride	5	1
Carbon disulfide	2.5	1
Trans-1,2-Dichloroethene	2.5	1
1,1-Dichloroethane	2.5	1
2-Butanone	10	5
cis-1,2-Dichloroethene	2.5	1
Chloroform	2.5	1
1,1,1-Trichloroethane	2.5	1
Carbon tetrachloride	2.5	1
1,2-Dichloroethane	2.5	1
Benzene	2.5	1
Trichloroethene	2.5	1
1,2-Dichloropropane	2.5	1
Bromodichloromethane	2.5	1
4-Methyl-2-pentanone	10	5
cis-1,3-Dichloropropene	2.5	1
Toluene	2.5	1
Trans-1,3-Dichloropropene	2.5	1
1,1,2-Trichloroethane	2.5	1
Dibromochloromethane	2.5	1
2-Hexanone	10	5
Tetrachloroethene	2.5	1
Chlorobenzene	2.5	1
Ethylbenzene	2.5	1
Xylene (total)	2.5	1

<i>Parameter</i>	<i>Soil PQL (ug/kg), dry wt.</i>	<i>Water PQL (ug/L)</i>
Styrene	2.5	1
Bromoform	2.5	1
1,1,2,2-Tetrachloroethane	2.5	1
Notes: PQL indicates practical quantitation limit.		

Table H-6 Laboratory PQLs for TCL Nickel (SW6010B).

<i>Parameter</i>	<i>Soil PQL (mg/kg), dry wt.</i>	<i>Water PQL (ug/L)</i>
Nickel	4	40
Note: PQL indicates practical quantitation limit.		

Table H-7 Laboratory Reporting Limits for Radionuclides

<i>Parameter</i>	<i>RL soil (picocuries/g)</i>	<i>RL water (picocuries/L)</i>
Thorium 228, 230, 232	0.4	1
Uranium 234, 235, 238	0.4	1
Gamma spectroscopy	0.2*	20
Note: RL Indicates reporting limit * = relative to Cesium 137		

For radionuclides the Minimal Detectable Concentration (MDC) is typically calculated at the 95 percent confidence level.

H.7 DATA REDUCTION, EVALUATION, AND REPORTING

For data to be scientifically valid, legally defensible, and comparable, valid procedures must be used to prepare this data. Laboratory analytical Level III (USEPA 1987) documentation will be required for each verification sample analysis. The following describes the data reduction, usability and reporting procedures to be used for the Analytical Level III laboratory data.

H.7.1 Data Reduction

Computer data reduction procedures and calculations will be checked manually by the laboratory to verify that compound identification and quantitation adhere to method requirements. The laboratory will be responsible for maintaining a listing of computer-based data reduction programs and SOPs for data reduction. Sample preparation or extraction logs will be used to document sample preparation information (i.e. preparation weights, volumes, and reagents). Instrument injection logs or bench sheets will also be maintained for each instrument. Analysts will perform qualitative identification and quantitation of organic analytes.

H.7.2 Laboratory Data Review

Analytical results are generally entered into the laboratory computer system by the analyst, independently reviewed, and approved by the Laboratory Manager. The following are requirements that are generally examined as part of this review:

- Initial and continuing calibrations met the acceptance criteria defined in the method standard procedure. Standards in the calibration curve covered the expected concentration ranges of the samples including the PQL or RL.
- Sample results fell within the range of the standard curve.
- For GC/MS methods requiring internal standards, retention times and area responses were evaluated against limits established by the daily calibration.
- Method blanks were processed with each analytical batch and no detectable levels of contamination were identified.
- MS/MSD were performed at the required frequency and recoveries were within acceptable control limits.
- Duplicate analyses were performed at the required frequency and results were within the control limits.
- Laboratory control sample (LCS) analyses were performed with each analytical batch and the results obtained were within control limits.
- Compounds identified by GC/MS have been manually rechecked by comparison with the data system library for both target compounds and tentatively identified compounds. Retention times and ratios of fragmentation were verified.
- Calculations have been accurately performed.
- Reporting units are correct.
- Data for the analysis provide a complete audit trail.
- Reported detection limits comply with data quality indicator requirements.

The analyst's supervisor will check a minimum of 10 percent of the data back to raw data in a secondary review. When required analyses on the samples in a project are complete, entered, and reviewed, a report will be generated. At minimum, the report will be reviewed for the following items:

- QC data will be reviewed to identify whether or not internal specification and contract requirements have been met.
- Non-conformance reports, if any, will be reviewed for completion of corrective actions and their impact of results. Non-compliance and corrective action procedures will be documented in the case narrative in the final report.

The report requires the signature of the Laboratory Project Supervisor or designee. Electronic data are copied onto computer tape, inventoried, and stored off-site in a secure facility, or within locked cabinets on site. This data archive system is maintained minimally for 10 years. Analytical data packages, which can be fully validated and include document sample preparation, extraction, and analysis, will be provided for the analyses. Data report forms will be securely bound and the pages will be sequentially

numbered. The analytical reports for sample matrices will conform to the data deliverable requirements as listed in NYSDEC ASP 6/00 revision, Category B (NYSDEC 2000). The laboratory will provide both hardcopy and electronic versions of the analytical data.

H.7.3 Data Usability and Data Qualifiers

A Data Usability Summary Report (DUSR) will be performed to determine whether or not the data meets Site specific criteria for data quality and use. Excursions from QA/QC criteria will be qualified based on guidance provided in the following documents:

- Science Applications International Corporation (SAIC). 1992. *Laboratory Data Validation Guidelines for Evaluating Radionuclide Analyzes*,
- United States Department of Energy (USDOE) 1995. *Guidance for Radiochemical Data Validation*,
- United States Environmental Protection Agency Region II Evaluation of Metals Data for the CLP 3/90 (USEPA 1992), and
- United States Environmental Protection Agency Region II Contract Laboratory Program (CLP) Organics Data Review, SOP No. HW-6, Revision #11 (USEPA 1996a).

or the most recent USEPA Region II data validation guidelines.

Preparation of a DUSR:

The DUSR is developed by reviewing and evaluating the analytical data package. During the course of this review the following questions must be answered:

1. Is the data package complete as defined under the requirements for the NYSDEC ASP Category B or USEPA CLP deliverables?
2. Have all holding times been met?
3. Do all the QC data: blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?
4. Have all of the data been generated using established and agreed upon analytical protocols?
5. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?
6. Have the correct data qualifiers been used?

Laboratory data qualifiers may include the following:

- U Indicates that the compound was analyzed for, but was not detected. The sample quantitation limit is presented and adjusted for dilution and percent moisture. This qualifier is also used to signify that the detection limit of an analyte was raised as a result of analytes detected in laboratory and/or field blank samples.
- J Indicates that the detected sample result should be considered approximate based on excursions from QA/QC criteria. Additionally, for organic analyses this qualifier is used either when estimating a concentration for tentatively identified compounds or when the mass spectra data

indicate the presence of a compound that meets identification criteria but, the sample result is less than the compound quantitation limit.

- UJ Indicates that the detection limit for the analyte in this sample should be considered approximate based on excursions from QA/QC criteria.
- E Indicates that the reported result is over the calibration range and therefore the sample must be rerun with a dilution.

Evaluation of NYSDEC ASP Matrix Spike Blank (MSB) data - If the MSB recovery is less than the ASP criteria, the positive results should be qualified as J, estimated biased low. If the MSB recovery is less than the ASP criteria, but greater than 10 percent, the non-detects should be qualified J, biased low. If the MSB recovery is less than 10 percent, the non-detect data must be rejected.

H.8 INTERNAL QUALITY CONTROL CHECKS

H.8.1 Laboratory QA/QC Checks

The overall effectiveness of a QC program depends upon operating in the field and laboratory according to a program that systematically ensures the precision and accuracy of analyses by detecting errors and preventing their recurrence or measuring the degree of error inherent in the methods applied.

Tables H-8 through H-11 (attached) summarize the laboratory corrective actions by analytical method. Requirements as listed in NYSDEC ASP revision 6/00 Exhibit E will be adhered to (NYSDEC 2000). A brief description of laboratory QA/QC analyses is contained in the following subsections.

H.8.1.1 GC/MS Tuning

Tuning and performance criteria are established to verify mass resolution, identification, and to some degree, instrument sensitivity. These criteria are not sample specific; conformance is determined using standard materials. Therefore, these criteria should be met in all circumstances.

H.8.1.2 Calibration

Compliance requirements for satisfactory instrument calibration are established to verify that the instrument is capable of producing acceptable quantitative data. Initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of analysis, and continuing calibration and performance checks document satisfactory maintenance and adjustment of the instrument on a day-to-day basis.

H.8.1.3 Blanks

The laboratory will analyze several types of blanks. Corrective action procedures will be implemented for blank analyses if target compounds are detected at concentrations greater than the PQL (or five times the PQL for acetone, 2-butanone, methylene chloride, toluene, and phthalate compounds). The criteria for evaluation of blanks apply to any blank associated with a group of samples. If problems with a blank exist, data associated with the project must be carefully evaluated to determine whether or not there is an inherent variability in the data for the project, or if the problem is an isolated occurrence not affecting other data.

A reagent blank consists of laboratory distilled water and any reagents added to a sample during analysis only, or straight solvent. A reagent blank is usually analyzed following highly contaminated samples to assess the potential for cross-contamination during analysis. A method blank is a water or soil blank that undergoes the preparation procedures applied to a sample (i.e. extraction, digestion, clean up). These samples are analyzed to examine whether sample preparation, clean up, and analysis technique result in sample contamination. The laboratory will prepare and analyze a method blank with each group of 20 samples of similar matrix that are extracted, digested, or analyzed at the same time (within same 12 hour period for GC/MS analysis).

Equipment and trip blanks will also be collected and submitted for laboratory analysis, where appropriate to assess contamination introduced during field sampling procedures and sample shipment, respectively. Equipment and trip blanks will be handled in the same manner as environmental samples.

H.8.1.4 Internal Standards Performance

Internal standards, which are compounds not found in environmental samples, will be spiked into blanks, samples, MS/MSDs, and LCS at the time of analysis for VOC. Internal standards are used to quantitative results and correct for injection variability for VOC analyses. Internal standards must meet retention time and performance criteria specified in the analytical method or the sample will be reanalyzed.

H.8.1.5 Surrogate Recovery

Accuracy and matrix biases for individual samples are monitored for organic analyses using surrogate additions. Surrogates are compounds that are spiked into environmental samples, blanks, and quality control samples prior to sample preparation for organic analyses. The evaluation of the results of these surrogate spikes is not necessarily straightforward. The sample itself may produce effects due to such factors as interference's and high concentrations of analytes. Since the effects of the sample matrix are frequently outside the control of the laboratory and may present relatively unique problems, the review and usability of data based on specific sample results is frequently subjective.

H.8.1.6 LCS Analyses

LCSs are standard solutions that consist of known concentrations of the target analytes spiked into laboratory-distilled water or clean sand. They are prepared or purchased from a certified manufacturer from a source independent from the calibration standards to provide an independent verification of the calibration procedure. They are spiked with target analytes bromofluorobenzene, 1,2-dichloroethane-d4, and toluene-d8. These QC samples are prepared and analyzed using the same procedures as for environmental sample analysis to assess method accuracy independently of sample matrix effects. The laboratory will prepare and analyze a LCS with each group of 20 samples of similar matrix that are extracted, digested, or analyzed at the same time (within same 12 hour period for GC/MS analysis). Percent recoveries will be evaluated to assess the efficiency of preparation and analysis method independent of environmental sample matrix effects.

H.8.1.7 MS/MSD or Laboratory Duplicate Samples

MS/MSD or laboratory duplicate analyses will be performed on environmental samples VOC and nickel analysis at a frequency of one for every 20 samples of a similar matrix. Whenever possible MS/MSD and laboratory duplicate samples will be prepared and analyzed within the same batch as the environmental samples. MS/MSD samples will be spiked at the laboratory with target analytes. MS/MSD and laboratory duplicate data are generated to determine long-term precision and accuracy of the analytical method with respect to sample matrices.

H.8.1.8 Compound Identification and Quantitation

Qualitative criteria is used to minimize the number of erroneous identifications of compounds and maximize the accuracy of data and sensitivity of the instrument. An erroneous identification can be either a false positive (reporting a compound present when it is not) or a false negative (not reporting a compound that is present). False positives are more difficult to identify since they represent an absence of data. Samples should be analyzed undiluted to maximize sensitivity. However, samples must be reanalyzed at a dilution when concentrations exceed the linear calibration range to maximize accuracy.

H.8.2 Control Limits

In the event that method control limits are not provided, laboratory control limits will be established separately for spike and duplicate analyses. Laboratory control limits can be considered action limits, and are defined as "three standard deviations of the mean and correspond to 99.7 percent confidence limits of a normal distribution curve. The laboratory will establish control limits for each analyte of concern using a minimum of 20 data points. Laboratory control limits may change since limits are minimally updated on an annual basis with the addition of new data points. The laboratory control limits used to assess data for this program will be summarized by the laboratory in the analytical report.

H.8.3 Field Sampling QA/QC

Bound logbooks and appropriate data sheets will be used to document the collection of samples and data so that an individual sample or data set can be traced back to its point of origin, sampler, and type of sampling equipment. Sampling will be performed according to the methods provided in the Work Plan and in this QAPP. Blind field duplicate samples will be collected and sent to the laboratory for analysis in conjunction with the environmental samples. Field sampling precision will be evaluated through the RPD of the duplicate sample analyses results. Control limits for field duplicate precision have been established at 100 percent for soil samples. Decontamination of sampling equipment will be verified through the analysis of equipment blanks. Proper chain-of-custody protocols will be followed.

H.9 PERFORMANCE AND SYSTEM AUDITS

Field and laboratory performance audits consisting of on-site performance evaluations may be conducted during the field and laboratory analysis program. These audits will evaluate the adherence to the QA program. The protocols used to conduct the audits may be found in the following sections. Acceptance criteria used in determining the need for corrective action will be those criteria defined in this QAPP. Where acceptance criteria are not defined for laboratory procedures and analytical methods, the laboratory's standard operating procedure and QA Manual will be consulted. Audits and any corrective actions that were implemented as a result of the audits, will be included in the technical report.

The laboratory audit will note factors that may affect the quality of the analytical results. The areas of concern of the laboratory audit will include:

- Implementation of a scientifically sound QA/QC program addressing precision, accuracy, reproducibility, comparability, completeness, and blank contamination;
- Sufficient documentation and record keeping for technical personnel external to the laboratory to recreate each analytical event; and
- Compliance with the project requirements for laboratory analysis.

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The specific parameters to be evaluated include:

- Data comparability;
- Calibration and quantitation;
- QC execution;
- Out-of-control events;
- Standard operating procedures;
- Sample management;
- Record keeping;
- Instrument calibration records;
- Other analytical records;
- QC records;
- Corrective action reports;
- Maintenance logs;
- Data review;
- Limits of detection;
- QC limits; and
- Analytical methods.

H.9.1 Field Audit Protocol

The purpose of a field audit is to identify whether the systems and procedures described in the Work Plan and QAPP are operational in the field and contributing to the production of accurate and defensible analytical results. The areas of concern in a field audit include:

- Sampling procedures;
- Decontamination of sampling equipment, if applicable;
- Chain-of-custody procedures;
- Standard operating procedures; and
- Proper documentation in field notebooks.

H.9.2 System Audits

Laboratory and field performance will be monitored through the analysis of equipment and laboratory blanks, spiked samples, laboratory control samples, laboratory and field duplicates, and performance evaluation samples. The laboratory in conjunction with the Project Manager, will formulate corrective actions in the event that QC limits specified in this document are exceeded. The results of the system audits will be documented in the Remediation Report.

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H.10 PREVENTIVE MAINTENANCE

Preventive maintenance procedures will be carried out on field equipment in accordance with the procedures outlined by the manufacturers' equipment manuals. Field equipment used during this project will have a specific maintenance instruction sheet accompanying it. Maintenance activities involving field equipment will be recorded in a field logbook.

Major analytical equipment at the laboratory is typically covered by some type of maintenance contract, usually with the instrument manufacturer. The degree and extent of contracted routine or preventive maintenance assistance is a function of the complexity of the equipment, amount of equipment redundancy and the laboratory in-house expertise relative to repair and maintenance of the particular piece of equipment. Maintenance activities will be documented and maintained in the laboratory files.

H.11 DATA ASSESSMENT PROCEDURES

The procedures employed by the laboratory to assess the quality of data generated include at minimum analytical precision per method, analytical accuracy per method, analytical completeness; MDLs, IDLs, and PQLs. Data quality reviews contribute to the total process. Precision and accuracy will be assessed using control charts consisting of line graphs that provide a continuous visual representation of the state of each analytical procedure. The standard deviation of the mean of the QC measurement will be calculated. The upper and lower warning limits will be set at plus or minus two standard deviation units. However, the upper and lower control limits are set at plus or minus three standard deviation units. Acceptable data are realized when results fall between the lower and upper warning limits. If the QC value falls between the control and the warning limit, the analysis should be scrutinized as possibly out of control.

In general, the accuracy of the methods will be evaluated by spiking the sample matrix with the analyte and by analyzing reference materials with known concentrations. The spiking levels will be selected to reflect the concentration range of interest. Percent recoveries of the spikes and reference materials will be calculated and compared to the established limits. The precision of the methods will be evaluated by the analysis of matrix spike and laboratory and field duplicate samples. The precision will be evaluated by calculating the RPD between the duplicates. RPD calculations will be compared to the established limits.

The definitions and equations used for the assessment of data quality are discussed below.

Accuracy - Is a measure of the nearness of an analytical result, or a set of results, to the true value. The term accuracy is often used synonymously with percent recovery and is expressed in terms of error or bias. Percent recovery describes either the recovery of a synthetic standard of known value, or the recovery of known amount of analyte (spike) added to a sample of known value. The percent recovery or accuracy can be calculated by using:

standards: $\text{percent R} = (\text{observed value}/\text{true value}) \times 100$

spikes: $\text{percent R} = ((\text{conc. spike} + \text{sample conc.}) - \text{sample conc.} \times 100) / \text{conc. spike}$

Precision - Refers to the agreement or reproducibility of a set of replicate results among themselves without assumption of any prior information as to the true result. Precision is usually expressed in terms of the % difference or relative percent difference (RPD).

The % difference is calculated by using:

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$$\% \text{ Difference} = (\text{larger SR} - \text{smaller SR}) \times 100 / \text{smaller SR}$$

Where:

SR is the sample result

The RPD is calculated by using:

$$\text{RPD} = (*\text{OSR} - \text{DSR} * \times 100) / ((\text{OSR} + \text{DSR}) / 2)$$

Where:

OSR is the original sample result

DSR is the duplicate sample result.

Average - The average or arithmetic mean (\bar{X}) of a set of n values (X_i) is calculated by summing the individual values and dividing by n :

$$\bar{X} = (\sum X_i \text{ } i=1 \text{ to } n) / n$$

Range - The range (R_i) is the difference between the highest and lowest value in a group. For n sets of duplicate values (X_2, X_1) the range (R_i) of the duplicates and the average range (R) of the n sets are calculated by the following:

$$R_i = X_2 - X_1$$

$$R = \sum R_i \text{ } i=1 \text{ to } n / n$$

Standard Deviation and Variation - The standard deviation (S) of a sample of n results is the most widely used measure to describe the variability of a data set. It is calculated by using the following equation:

$$S = \frac{\sum (X_i - \bar{X})^2 \text{ } i=1 \text{ to } n}{n}$$

Where:

\bar{X} is the average of the n results

X_i is the value of result i .

Normally, $\bar{X} \pm S$ will include 68% and $\bar{X} \pm 2S$ includes about 95% of normally distributed data.

The variance is equal to S^2 . The percent relative standard deviation (RSD) or coefficient of variation (CV) is the standard deviation divided by the mean and multiplied by 100 as follows:

$$\text{CV} = 100S/\bar{X}$$

The laboratory will identify any data that should be rated as "unacceptable", based on the assessment of the QA/QC criteria. Data assessment will be evaluated and discussed in the data usability report(s).

H.12 CORRECTIVE ACTION

Corrective action procedures will be implemented based on unacceptable audit results or unacceptable data during evaluation. Two types of audits may be performed during the remedial activities. The data

generation process may be audited by assessing adherence to method or laboratory control limits and by performing an on-site laboratory audit. The field program may be audited by assessing adherence to the procedures outlined in the Work Plan, the analysis of field QC samples, and by performing an on-site field audit. If needed, corrective action procedures will be developed on a case-by-case basis and will be documented in the appropriate notebook, log, or case file.

Corrective actions may be taken by the laboratory. When calibration, instrument performance, and blank criteria are not met, the cause of the problem will be located and corrected and the analytical system will be recalibrated. Sample analysis will not begin until calibration, instrument performance, and blank criteria are met. When matrix spike, reference standard, or duplicate analyses are out of control, samples analysis will cease and the problem will be investigated. Depending on the results of the overall QC program for the sample set, the data may be accepted, accepted with qualification, or determined unusable. If the laboratory determines data to be unusable, those samples will be prepared and reanalyzed. If matrix interferences are suspected, samples will be subjected to one or more of the clean-up techniques specified in the analytical methods. If QC criteria are met upon reanalysis, only the new results are reported. If QC criteria are still not met upon reanalysis, both sets of sample results will be reported.

The laboratory will make every reasonable effort to correct QC excursions and to document the presence of matrix interferences. In this way, unnecessary resampling of difficult matrices may be avoided. However, if matrix interferences are not documented resampling may be required. Corrective actions during remedial activities, if required, will generally involve altering the field procedure to match the guidelines set forth in the Work Plan and in this QAPP. If problems arise with procedures or guidelines set forth herein, the client, the laboratory, and the Project Manager, in conjunction with the appropriate agencies, will formulate an appropriate corrective action.

H.13 QA REPORTS TO MANAGEMENT

A Data Usability Summary Report (DUSR) will be prepared for the analyses outlined in this Work Plan. The DUSR will be submitted as part of the Final Project Report. The deliverables associated with the remedial activities will contain separate QA sections where data quality information collected during the remedial activities is summarized. These reports will include the QA Officer's report on the accuracy, precision, and completeness of the data and the results of the performance and system audits.

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Table H-4. Field Sample Handling Summary Table

Parameter	Matrix	Sample containers and volumes	Preservation	Holding times (from verified time of sample receipt (VTSR))	Environmental samples*	QC Samples		
						Field duplicates (frequency)	Trip blanks	MS/MSDS (frequency)
VOCs	Soil	125 milliliter wide mouth glass container sealed with a septum	4°C	7 days (unpreserved)	TBD	5%	1 each per shipment	5 percent
Metals	Soil	4 ounce wide mouth glass container with Teflon® lined lid	4°C	180 days	TBD	5%	0	5 percent
pH	Soil	50 milliliter wide mouth container with Teflon® lined lid	4°C	ASAP	TBD	5%	0	5 percent
Radionuclides, Gamma Spectroscopy	Soil	2-250 milliliter wide mouth containers with Teflon® lined lid	4°C	6 months	TBD	0%	0	0 percent
<p>Note: MS/MSD indicates matrix spike/matrix spike duplicate sample VOCs - volatile organic compounds Metals - nickel Radionuclides include thorium 228, 230, 232, uranium 234, 235, 238, and radium. MD for radionuclides will be performed according to the MD criterion presented in section 4.3.2.</p>								

* Note: The actual number of samples will be determined in the field in accordance with the Work Plan and Table E-1 in the FSAP.

Table H-8
Volatile (GC/MS) Quality Control Requirements and Corrective Actions
SW-846 8260B with NYSDEC ASP Exhibit E Requirements

Audit	Frequency	Control Limits	Corrective Action
Holding times	Samples must be extracted and analyzed within holding time.	VOCs: Analyze within 10 days from verified time of sample receipt if preserved, 7 days if unpreserved.	If holding times are exceeded for initial or reanalysis required due to QC excursions, notify QAO immediately since resampling may be required.
MS Tuning	Once every 12 hours.	Bromofluorobenzene key ions and abundance criteria listed in the method must be met for all nine ions.	1. Tune the mass spectrometer. 2. Document corrective action - samples cannot be analyzed until control limit criteria have been met.
Initial Calibration	Prior to sample analysis and when continuing calibration criteria are not met.	1. Five concentrations bracketing expected concentration range for all compounds of interest. 2. Criteria as listed in NYSDEC ASP 6/00 Exhibit E.	1. Identify and correct problem. 2. If criteria are still not met, recalibrate. 3. Document corrective action - samples cannot be analyzed until calibration control limit criteria are met.
Continuing Calibration	Every 12 hours, following bromofluorobenzene.	Criteria as listed in NYSDEC ASP 6/00 Exhibit E.	1. Reanalyze. 2. If criteria are still not met, identify and correct problem, recalibrate. 3. Document corrective action - samples cannot be analyzed until calibration control limit criteria are met.
Preparation Blank Analysis	Every 12 hours, following continuing calibration	Common laboratory contaminants less than 5x PQL; anything else less than PQL.	1. Reanalyze blank. 2. If limits are still exceeded, clean instrument, recalibrate analytical system, and reanalyze all samples with the same compounds as detected in the blank. 3. Document corrective action - samples cannot be analyzed until blank criteria have been met.
Field / Equipment Blank Analysis	Every 20 samples.	Common laboratory contaminants less than 5x PQL; anything else less than PQL.	1. Investigate problem, contact QAO. 2. Write an explanation.

Table H-8
Volatile (GC/MS) Quality Control Requirements and Corrective Actions
SW-846 8260B with NYSDEC ASP Exhibit E Requirements

Audit	Frequency	Control Limits	Corrective Action
Trip Blank	One per cooler containing VOC samples.	Common laboratory contaminants less than 5x PQL; anything else less than PQL.	1. Investigate problem, contact QAO. 2. Write an explanation.
Laboratory Control Sample Analysis	Each analytical batch (every 12 hours). Prepared independently from calibration standards.	Recovery within matrix spike blank limits (NYSDEC ASP 6/00 Exhibit E) if available, otherwise within laboratory control limits. Spike must contain all target analytes.	1. If recovery failures are above control limits and these compounds are not detected in the associated samples, contact QAO. 2. Reanalyze LCS and examine results of other QC analyses. 3. If recovery is still outside limits and other QC criteria are met, contact QAO. 4. If other QC criteria have not been met, stop analysis, locate and correct problem, recalibrate instrument and reanalyze samples since last satisfactory LCS. 5. Document corrective action.
Internal Standards	All samples and blanks (including MS/MSD)	1. Response -50% \pm 100% of internal standards from continuing calibration of the day. 2. Response time must be \pm 30 seconds from associated standard.	1. Reanalyze. 2. If still outside of the limits, qualify data. 3. Document corrective action.
Surrogate Spike	All samples and blanks (including MS/MSD)	Recovery within NYSDEC ASP 6/00 Exhibit E control limits.	1. Reanalyze any environmental or QC sample with surrogates that exceed control limits. 2. Qualify the data. 3. Document corrective action.

Table H-8
Volatile (GC/MS) Quality Control Requirements and Corrective Actions
SW-846 8260B with NYSDEC ASP Exhibit E Requirements

Audit	Frequency	Control Limits	Corrective Action
MS/MSD Analysis	One per group of similar concentration and matrix, 1 per case of samples, or 1 in 20, whichever is greater.	Recovery and RPD within NYSDEC ASP 6/00 Exhibit E limits, if available, otherwise within laboratory limits.	<ol style="list-style-type: none"> 1. Reanalyze if <10%. 2. If >10% and LCS criteria are met, document in case narrative; no additional corrective action required. 3. If >10% and LCS criteria are exceeded, examine other QC data for source of problem; <i>i.e.</i> surrogate recoveries for extraction efficiency and calibration data for instrument performance issues. 4. Take corrective action as required, re-extract or reanalyze samples and associated MS/MSD and LCSs as required.
Field Dup. Analysis	One per matrix and analytical batch and every 20 samples of similar matrix	100% RPD for soil.	If these criteria are not met, sample results will be evaluated on a case by case basis.

Table H-9
Radionuclides Quality Control Requirements and Corrective Actions
Modified Method EML Th-01 and EMLU-02
with NYSDEC, ASP Exhibit E Requirements

Audit	Frequency	Control Limits	Laboratory Corrective Action
Holding Times	Samples must be extracted and analyzed within holding time.	Extract and analyzed within 6 months of verified time of sample collection for soil samples.	If holding times are exceeded for initial or any reanalysis required due to QC excursions, notify the QAO immediately since resampling may be required.
Initial Calibration	For thorium and uranium: Efficiency - annually Efficiency check - monthly or prior to use Energy - quarterly or prior to use Energy check, resolution, background - weekly or prior to use	All calibrations should be evaluated statistically against determinations performed previously. If results are outside of statistical range, an explanation of the change in performance shall be provided.	If calibration results are measured outside of statistical ranges, the QAO will be notified. Explanations will be provided in the case narrative and in the instrument maintenance logbook.
Method Blank Analysis	1 per 20 samples of similar matrix extracted at the same time or 1 per batch.	Results must be less than or equal to MDC or less than 5X below lowest activity of the sample.	1. Reanalyze the batch. 2. If holding times have elapsed, contact the QAO immediately since resampling will be required.
LCS Analysis	1 per 20 samples of similar matrix extracted at the same times or 1 per batch for both alpha and beta emitter.	75 - 125% recovery.	1. Reanalyze the batch 2. If holding times have elapsed, contact the QAO immediately since resampling will be required.
Matrix Spike Analysis	For thorium and uranium: 1 per matrix type or per batch and every 20 samples of similar matrix.	40 - 160% recovery.	1. If LCS criteria are met, document in case narrative; no additional corrective action required.
Matrix Duplicate Analysis	1 per matrix type or per batch and every 20 samples of similar matrix.	RER<3.0.	1. If LCS criteria are met, document in case narrative; no additional corrective action required.
Equipment Blank Analysis	One per sampling equipment and after every 20 samples, where applicable.	Result \leq control requirements detection limits	1. Investigate problem; examine for potential cross contamination at lab or at field 2. Notify the QAO immediately since resampling may be necessary.

Table H-9
Radionuclides Quality Control Requirements and Corrective Actions
Modified Method EML Th-01 and EMLU-02
with NYSDEC ASP Exhibit E Requirements

Audit	Frequency	Control Limits	Laboratory Corrective Action
Field Duplicate Analysis	One per matrix type and every 20 samples of similar matrix.	$RER \leq 3$.	No corrective action required since the laboratory will not know the identity of the field duplicate samples. Sample results will be evaluated on a case by case basis during the data evaluation process.
Tracer Recoveries	For thorium and uranium: Samples and QC samples	For thorium and uranium: 45 - 105% recovery.	1. If recovery is outside control limit, repeat analysis. 2. If reanalysis is outside control limit, notify QAO and document a matrix specific QC problem in the case narrative.
Note: For initial calibration, select the least stringent criteria; for example, weekly or prior to use is defined as must be performed prior to use of action has not been performed within a week prior to use.			

Table H-10
Radionuclides Quality Control Requirements and Corrective Actions
Gamma Spectrometry

Audit	Frequency	Control Limits	Laboratory Corrective Action
Holding Times	Samples should be counted within holding time.	Though there are not regulatory holding times for radiochemistry parameters, samples should be counted within 6 months of the collection date.	If holding time is exceeded for initial or any re-analyses, contact the QAO immediately in order to discuss the possible need for re-sampling.
Efficiency Calibration Efficiency Calibration Check Energy Calibration Energy Calibration Check Resolution Check Background Background Check	annually weekly or prior to use monthly or prior to use weekly or prior to use weekly or prior to use monthly or prior to use weekly or prior to use	All calibrations should be evaluated against previously determined calibrations to verify consistency of response factors. Calibration checks should be statistically evaluated against initial calibrations to determine consistency and stability of systems.	If calibrations are inconsistent with those determined previously, no samples shall be counted until the variations are explained. If calibration checks are inconsistent, they should be repeated. If upon repeating they are still inconsistent, primary calibrations should be repeated. No samples should be counted until calibration anomalies are resolved.
Method Blank Analysis	1 per 20 samples	Results must be less than reporting limits or less than 5x below lowest sample activity for each isotope detected.	1. Reanalyze batch 2. If holding times have elapsed, contact QAO for instructions
LCS Analysis	1 per 20 samples	40 – 160% recovery	1. Reanalyze batch 2. If holding times have elapsed, contact QAO for instructions
Matrix Duplicate Analysis	1 per 20 samples	RER <2.0	1. If LCS criteria are met, document in case narrative; no additional corrective action is required.
Equipment Blank Analysis	One per sampling equipment and after every 20 samples where applicable	Results must be less than reporting limits or less than 5x below lowest sample	1. Investigate problem; examine potential for contamination in the field or lab 2. Notify QAO
Field Duplicate Analysis	One per matrix type and every 20 samples of similar matrix	RER <3.0	No corrective action required since the identity of field duplicates will be blind to the lab.

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Table H-11
Metal Quality Control Requirements and Corrective Actions
SW-846 6010B with NYSDEC ASP Exhibit E Requirements

Audit	Frequency	Control Limits	Corrective Action
Holding Times	Samples must be digested and analyzed within holding time.	Metals – Analyze 180 days from verified time of sample receipt	If holding times are exceeded for initial or any reanalysis required due to QC excursions, notify the QAO immediately since resampling may be required.
Calibration Verification (ICV, CCV)	Calibrate daily according to method and each time instrument is set up; verify at more frequent of 10% or every 2 hours. Also verify at the end of each run. Standard at 1-2 times the PQL should be analyzed after initial cal for ICP.	90% to 110% of expected value for ICP and AA. NYSDEC ASP Exhibit E requirements.	1. Reanalyze. 2. If criteria are still not met, identify and correct problem, recalibrate. 3. Document corrective action - samples cannot be analyzed until calibration control limit criteria have been met.
Calibration Blank	At beginning and end of run and at a rate of 10% during run.	NYSDEC ASP Exhibit E requirements.	1. Identify and correct problem. 2. If criteria are still not met, recalibrate. 3. Document corrective action - samples cannot be analyzed until blank control limit criteria have been met.
Preparation Blank Analysis	1 per batch of samples digested, or 1 in 20, whichever is greater.	NYSDEC ASP Exhibit E requirements.	1. Reanalyze blank. 2. If limits are still exceeded, clean instrument and recalibrate analytical system and prepare and reanalyze affected samples if detected. 3. Document corrective action - samples cannot be analyzed until blank criteria are met.
Field / Equipment Blank Analysis	Every 20 samples, where applicable	NYSDEC ASP Exhibit E requirements.	1. Investigate problem, contact QAO. 2. Write an explanation.
Laboratory Control Sample Analysis	Every 20 samples or each digestion batch. Prepared independently from calibration standards.	Recovery within NYSDEC ASP 6/00 Exhibit E limits if available, otherwise within laboratory control limits.	1. Reanalyze LCS and examine results of other QC analyses. 2. If recovery is still outside limits, and other QC criteria are met, contact QAO. 3. If other QC criteria have not been met, stop analysis, locate and correct problem, recalibrate instrument and reanalyze samples since last satisfactory LCS. 4. Document corrective action.

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Table H-11
Metal Quality Control Requirements and Corrective Actions
SW-846 6010B with NYSDEC ASP Exhibit E Requirements

Audit	Frequency	Control Limits	Corrective Action
Serial Dilution Analysis	Only required when analyte concentration is >50 times the IDL after dilution for metals.	NYSDEC ASP 6/00 Exhibit E requirements.	1. Qualify data. 2. Document corrective action.
Interference Check Sample Analysis	Beginning and end of each analytical run or twice during every 8 hours, whichever is more frequent for metals.	NYSDEC ASP 6/00 Exhibit E requirements.	1. Reanalyze. 2. If limits are still exceeded, adjust instrument. 3. Restart analytical run and reanalyze samples analyzed since last satisfactory ICS. 4. Document corrective action.
Matrix Spike Analysis	1 per group of similar concentration and matrix, 1 per case of samples, or 1 in 20, whichever is greater.	Recovery within NYSDEC ASP 6/00 Exhibit E limits if available, otherwise within laboratory control limits.	1. Analyze post spike. 2. Document corrective action.
Laboratory Duplicate Analysis	1 per group of similar concentration and matrix, 1 per case of samples, or 1 in 20, whichever is greater.	NYSDEC ASP 6/00 Exhibit E requirements	1. Investigate problem and reanalyze. 2. Document corrective action.
Field Dup. Analysis	1 per matrix and analytical batch and every 20 samples of similar matrix	100% RPD for soil.	If these criteria are not met, sample results will be evaluated on a case by case basis.



APPENDIX I

List of Project Personnel

Geo-chemical Staff

Pam	Cox
John	Doerr
Robert	Fabian
Brian	Gallagher
Robert	Giordano
Lester	Gryszkiewicz
Larry	Landry
Michael	Murphy
Steven	Nascimento
Val	Petrenko
Eliot	Pitney
Brian	Stoudt
Kyle	Strumfels
Steven	Tivnan

Health and Safety

Kristy	Chernin
Christie	Doran
Timothy	Draeger
Vincent	Eldora
John	Harris
Rod	Petri
Louis	Reyes
Mark	Sackman
Selso	Salazar
Whitney	Sexsmith

Site Engineers

Rob	Brathovde
Tony	Depasquale
Michael	Dowger
Elie	Ghannoum
Ken	Grosso
Jay	McClellan
Michael	Posillico
Michael	Trotta
Dave	Urda

Shipping Staff

Greg	Demade
Dan	Johnson
Rob	Miller
Timothy	Mock
Derek	Stovall

Validation Staff

Jason	Ai
Michael	Shadle

Radiological Staff

Adam	Berry
Shane	Brightwell
Cathy	Buffington
Deke	Chang
David	Corbett
Kathleen	Corbett
Vaniessa	Daughterty
David	Davis
Christine	DeCarolis
William	Deguerre
Bob	Demeulmeester
Scott	Eckert
George	Economos
Robert	Emerson
Joe	Fourkiller
Kyle	Gordon
Suzie	Gore
Sean	Gully
Walt	Habish
Wade	Hickson
Bob	Hopping
Larry	Luckett
Jacek	Markowski
David	Mazzella
John	Mitchell
Greg	Morgan
Kevin	Murray
Eric	Olsen
Wyatt	Pickering
Lynne	Sparks
Tom	Stafford
Joyce	Thomas
James	Thompson
James	Wells
Pam	Wells
Steve	Wuest

Laboratory Support

David	Crosby
Janice	Degraziano
Melissa	D'Souza
Johanna	Grey
Eva	Janos
Kevin	Krueger
Mike	Petaccia
Michael	Rossi
Daniel	Vosin

Senior Project Team*

Jean	Agostinelli
Michael	Ander
Timothy	Blythe
Rob	Brathovde
Shane	Brightwell
Pam	Cox
Vince	Daliessio
Dale	Evans
Mike	Giardina
Kevin	Holsopple
Larry	Luckett
Angelo	Occhiogrosso
Michael	Posillico
Carol	Scholl
Anthothy	Sneider
Tom	Spatafora
Richard "Lucky"	Tabor
Mike	Trotta
Kent	Wagoner
Robert	Woodburn

**May be duplicated in other groups*

Operations Staff

Garry	Beeman
Greg	Burns
Jamie	Gelvin
Justin	Gelvin
John	Giles
Mitch	Hinson
John	McBryde
James	O'Keefe
Edwin	Phillips
Dick	Schaffer
Ralph	Shuttleworth
Dave	Snyder
Kent	Wagner
Dale	Wargo
Kevin	Wilson

GIS and Database Management

Gary	Dellaguardia
Anne	Leibold
Jeff	Pietsch
Ken	Spitze
Jon	Spitze
Brian	Wainscott

Disposal (Envirocare of Utah)

Kelly	Epperson
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ENVIROCON, INC.
AIR PLANT STACK MONITORING & SAMPLING PLAN

GTE Operation Support Incorporated, Hicksville, NY
70, 100, 140 Cantiague Rock Road
NYSDEC Site Voluntary Cleanup Number: V00089-01

Date: February, 2003

Objective: To provide an overview of procedures and instructions for monitoring and sampling of the air-handling unit (AHU) exhaust stack to measure the effectiveness of control of materials of concern. These readings will be compared to estimated generation rate and calculated emission rate values used in the AIR-100 and Part 380 Permit Equivalency forms to determine generation rate accuracy and overall effectiveness of control technologies against contaminants of concern.

Scope: This procedure applies to:

- AHU stack monitoring during intrusive activities occurring in the temporary structures.

References: AIR 100 Form
Part 380 Form

Procedure:

- 1.0 The following plans and procedures are implemented:
 - Health and Safety Plan—includes Activity Hazard Analysis (AHA) and Community Air Monitoring Plan (CAMP)
 - Air Plant Operations Plan
- 2.0 Materials (for each AHU Stack to be monitored):
 - 2.1 ThermoMIE DataRAM 2 Realtime Aerosol Monitor
 - 2.1.1 Accessory: PM-10 Impactor
 - 2.1.2 Accessory: Inlet Heater
 - 2.1.3 Accessory: Tygon® Tubing
 - 2.1.4 Accessory: Isokinetic Sampling Adapter
 - 2.2 RAE Systems Minirae 2000 Realtime VOC Monitor (PID)
 - 2.2.1 Accessory: Isokinetic Sampling Adapter
 - 2.2.2 Accessory: RAE-Link Data Collection System

- 2.3 Gilian GilAir5 Air Sampling Pump
 - 2.3.1 Accessory: Isokinetic Sampling Adapter
 - 2.4 Gilian GilAir5 Air Sampling Pump with Low Flow Controller Installed
 - 2.4.1 Accessory: Isokinetic Sampling Adapter (2)
 - 2.5 Gastec GV-100 Gas Sampling Pump
 - 2.5.1 Gastec No. 133L Tetrachloroethylene colorimetric detector tubes 1-75 ppm Range.
 - 2.6 BIOS DC-Lite Calibrator
 - 2.7 Environmental Express 0.8 micron Mixed Cellulose Ester Filter (MCEF) Sample Cassettes
 - 2.8 SKC Anasorb™ Lot 2000 Coconut Shell Carbon (CSC) adsorption tubes (Catalog # 226-01 or other based on loading)
 - 2.9 Ludlum Model 3030 Alpha Beta Sample Counter
 - 2.10 Computer
- 3.0 AHU stack monitoring and sampling will be conducted according to the following methods:
- 3.1 Four isokinetic sampling adapters will be installed in the 20" diameter AHU exhaust stack according to manufacturer's instructions.
 - 3.2 Prior to the commencement of that day's work, each instrument will be calibrated according to the appropriate calibration procedure and the calibrations documented. The instruments must be allowed to equilibrate with the ambient / stack temperature and humidity prior to sampling to prevent detrimental condensation effects (see the Instrument Calibration Procedures).
 - 3.3 An MIE DataRAM with inlet heater and PM-10 size-selective impactor will be calibrated and attached to one isokinetic sampling adapter sized for a 2 liter per minute (LPM) nominal flow rate.
 - 3.4 A RAE Systems Minirae 2000 PID will be calibrated and attached to another isokinetic sampling adapter sized for a 2 liter per minute (LPM) nominal flow rate.
 - 3.5 A Gilian GilAir 5 Personal Sampling pump equipped with a 0.8 micron (u) mixed cellulose ester filter (MCEF) cassette will be calibrated and

attached to a third isokinetic sampling adapter sized for a 4 liter per minute (LPM) nominal flow rate.

- 3.6 At a minimum of once every 15 days, a Gilian GilAir 5 Personal Sampling pump with Low Flow Controller, equipped with an SKC Anasorb™ Lot 2000 Coconut Shell Carbon (CSC) adsorption tube will be calibrated and attached to a fourth isokinetic sampling adapter sized for a 0.2 liter per minute (LPM) nominal flow rate.
- 3.7 The instruments will be operated for the length of the shift.
- 3.8 The sample pumps will be operated to the end of the shift or to the method maximum volume (PCE = 3 liters, approximately 15 minutes).
- 3.9 The instrument data will be collected, reviewed, and archived.
- 3.10 The GilAir 5 pump with Low Flow Controller, equipped with an SKC Anasorb™ Lot 2000 Coconut Shell Carbon (CSC) adsorption tube will be post-calibrated, and the tube sent to an AIHA-Accredited laboratory and analyzed for perchloroethylene and trichloroethylene in accordance with NIOSH method 1003.
- 3.11 The GilAir 5 pumps with 0.8u MCEF cassette filters will be post-calibrated, and the cassette stored for 24 hours to allow for radon product decay prior to reading onsite.
- 3.12 After the 24-hour hold period, each sample cassette will be opened, the filter taken and placed in the count drawer of the alpha beta counter and a one-hour count taken. This reading will be recorded, and reviewed.

4.0 Actions

4.1 Exceedances: VOCs

- 4.1.1 If the stack PID readings exceed a sustained, (15-minute) 5 ppm above background, steps will be taken to mitigate vapor evolution inside of the structure, such as covering the impacted soil with plastic, foam, or clean soil, or using local vapor collection techniques.
- 4.1.2 Additionally, if the stack PID readings exceed a sustained, (15-minute) 5 ppm above background, the Gastec GV-100 Gas Sampling Pump with a Gastec No. 133L Tetrachloroethylene (PCE) colorimetric detector tubes in the 1-75 ppm range will be connected to an available isokinetic sampling adapter and a sample

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drawn. If this reading exceeds 3 ppm PCE, an upset condition exists and the Air Handling Plan Casualty Plan will be initiated.

- 4.1.3 If the stack PID readings exceed a sustained, (15-minute) 50 ppm total, then an upset condition exists, and the Air Handling Plan Casualty Plan will be initiated.

4.2 Exceedences: Particulate (PM-10)

- 4.2.1 If the stack particulate (PM-10) reading exceeds a sustained, (15-minute) 150 ug/m³ above background, steps will be taken to mitigate particulate generation, such as misting inside of the enclosure. The readings inside the enclosure will be compared with the stack readings to ensure that the readings in the stack are due to current particulate generation and not a result of fines escaping the carbon beds.

- 4.2.2 If the stack particulate (PM-10) reading exceeds a sustained, (15-minute) 1.50 mg/m³ above background, steps will be taken to mitigate particulate generation, such as misting inside of the enclosure. The readings inside the enclosure will be compared with the stack readings to ensure that the readings in the stack are due to current particulate generation and not a result of fines escaping the carbon beds. The differential pressure across the HEPA filter will be checked. If the differential across the HEPA filter is lower than that measured at the start of operations, then an upset condition exists, and the HEPA filter elements will be switched out.

4.3 Exceedences: Particulate (α -radionuclides)

- 4.3.1 If the net alpha / beta radionuclide samples are found to exceed 20 counts per hour above ambient air background, an upset condition may have existed, and the HEPA filter elements will be switched out.

4.4 Exceedences: perchloroethylene / trichloroethylene

- 4.4.1 If the perchloroethylene / trichloroethylene air samples exceed 2.74 ppm of either compound, an upset condition may have existed, and the carbon beds will be reconfigured (primary taken offline, secondary becomes primary, and standby carbon unit becomes the secondary carbon unit).

5.0 Records

- 5.1 All realtime instrument readings will be averaged over a 10-second period and a 15-minute average recorded. Also the peak value, 15-minute STEL,

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and TWA will be recorded for each run. Additionally, the output of the PIDs will be transmitted on a realtime basis to the computer monitor of either the Air Handling Unit Operator or the Health and Safety Manager to provide an early indication of changes in readings.

- 5.2 The data will be downloaded and archived to the site server. The readings will be examined and compared to the operating parameters of the Air Handling System to establish trends and help coordinate possible maintenance or emission control issues.
- 5.3 Alpha / beta radionuclide sample results will be recorded manually by the on-site radiological laboratory technician according to the reporting convention established in the Sampling Plan.

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Calibration Methods for the MIE Data Ram DR-4000 Portable Particle Sizing Aerosol Monitor / Data Logger

**GTE Operation Support Incorporated, Hicksville, NY
70, 100, 140 Cantiague Rock Road
NYSDEC Site Voluntary Cleanup Number: V00089-01**

Date: April 14, 2003

1.0 Introduction

To provide an overview of calibration methods for the MIE Data Ram DR-4000 Portable Particle Sizing Aerosol Monitor / Data Logger. This instrument will be used to test dust particulates in the air.

2.0 Materials

2.1 MIE Data Ram DR-4000 Portable Particle Sizing Aerosol Monitor / Data Logger

3.0 Calibration Instructions (perform daily);

- 3.1 Turn on Data RAM.
- 3.2 Select the "Zero" option. Wait until complete.
- 3.3 Note any error messages; if zero is ok;
- 3.4 Press "Span Check" option.
- 3.5 "Insert Calibrator" will appear on the screen. Turn Span Check knob, in the back of the unit, to the "In" position.
- 3.6 When complete retract calibrator by turning the Span Check to the "Out" position.
- 3.7 Note any error messages; if calibration is ok, the instrument is ready to use.

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4.0 Records

- 4.1 Calibration date, time and results will be recorded daily on the designated form in the calibration binder. If additional calibrations are necessary, they will be recorded each time.

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Calibration Methods for the GilAir5 Personal Sampling Pump

**GTE Operation Support Incorporated, Hicksville, NY
70, 100, 140 Cantiague Rock Road
NYSDEC Site Voluntary Cleanup Number: V00089-01**

Date: April 14, 2003

1.0 Introduction

To provide an overview of calibration methods for the GilAir5 Personal Sampling Pump. This instrument will be used to indicate airborne concentrations of aerosols, including radioactive particulates and volatile organic compounds (VOCs).

2.0 Materials

- 2.1 Gilian GilAir5 Air Sampling Pump (with Low Flow Controller Installed where required by the method)
- 2.2 Tygon or similar Tubing (NOT PVC).
- 2.3 Calibration Supplies:
 - 2.3.1 Bios DC Lite Calibrator.

3.0 Actions

- 3.1 Make sure pumps are charged completely before use.
- 3.2 Select media and remove all plugs or closures.
- 3.3 Attach the tube of the pump to the "outlet" of the media.
- 3.4 Calibrate using the DC Lite.
 - 3.4.1 Turn DC Lite on.
 - 3.4.2 Attach DC Lite tube to the "inlet" of the media.
 - 3.4.3 Turn on pump.
 - 3.4.4 Press the "read" button on the DC Lite three times to obtain an average reading.
 - 3.4.5 Record the value and unplug the DC Lite from the Sample media.
 - 3.4.6 Turn off pump until ready to sample
 - 3.4.7 Repeat the calibration step with all pumps.
 - 3.4.8 Record all values and pump numbers on the "Air Sample Log" sheet everyday, including:
 - 3.4.8.1 Time started and time ended,
 - 3.4.8.2 Flow rate at start, flow rate at end and average flow rate

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- 3.4.8.3 Total number of minutes
- 3.4.8.4 Total volume of the sample (using the average flow rate times the minutes sampled)
- 3.4.9 Plug Gil Air in and charge.
- 3.4.10 If any pump is shown by its internal timer to have stopped during the day, it will be repaired or replaced prior to the next sampling event.

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Calibration Methods for the Multi RAE 2000 Portable VOC Monitor

**GTE Operation Support Incorporated, Hicksville, NY
70, 100, 140 Cantiague Rock Road
NYSDEC Site Voluntary Cleanup Number: V00089-01**

Date: April 14, 2003

1.0 Introduction

To provide an overview of calibration methods for the Rae Systems MultiRAE 2000 Portable VOC Monitor. This instrument will be used to indicate airborne concentrations of Volatile Organic Compounds (VOCs).

2.0 Materials

2.1 Multi RAE Plus Real Time Photoionization Detector (PID).

2.2 Calibration Supplies:

2.2.1 Cylinder of Isobutylene in air, 100 ppm.

2.2.2 Cylinder of hydrocarbon-free air (zero air)

2.2.3 Designated Tedlar bag.

2.2.4 Appropriate regulator.

3.0 Actions

3.1 Pre and Post calibration will be performed. If post calibration does not equal pre calibration +/- 10%, a mid day calibration will be performed there after.

4.0 Calibration Instructions

4.1 Ensure that instrument is fully charged before calibration and use.

4.2 Ensure moisture trap is in place.

4.3 Press "Mode" / "On" Button.

4.4 Allow monitor to go through warm up period.

4.5 Press "N" and "Mode" together until the calibration mode appears.

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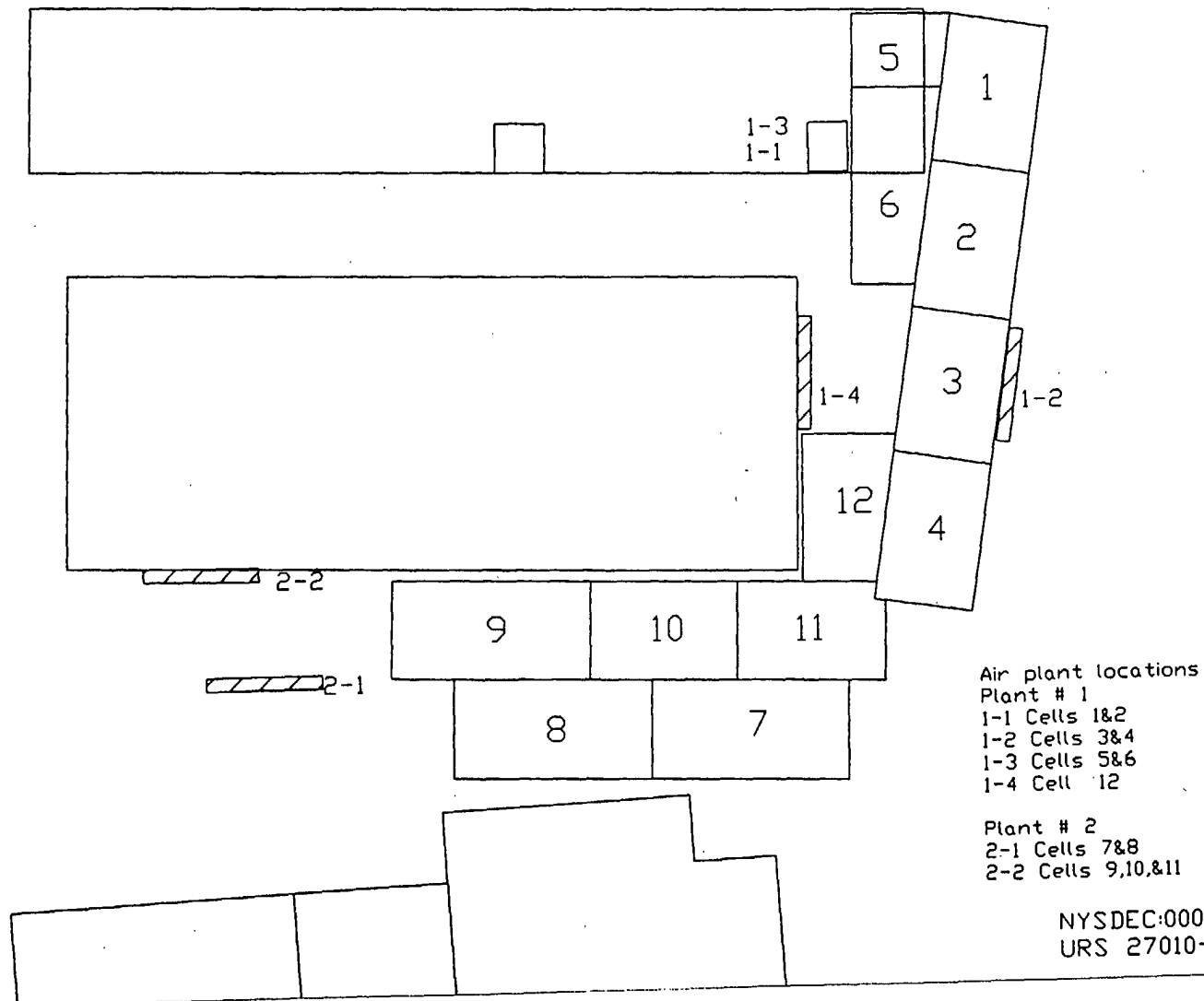
- 4.6 Select "Y" to enter calibration mode.
- 4.7 Attach regulator to "Air Zero Grade" cylinder. Then attach designated tedlar calibration bag to regulator. Open valve on bag and turn on regulator and fill bag. When full, turn off regulator, allow pressure to bleed off, detach bag and close valve. Attach filled "Zero Air" bag to sample inlet on meter.
- 4.8 Select "Y" to perform a "Fresh Air Test"
- 4.9 After successful completion, the next option will be for a "Span Cal".
- 4.10 Attach regulator to Isobutylene cylinder. Then attach designated tedlar calibration bag to regulator. Open valve on bag and turn on regulator and fill bag. Turn off regulator, allow pressure to bleed off, detach bag and close valve. Attach filled Isobutylene bag to sample inlet on meter.
- 4.11 Select "Y" and follow instructions on the screen. Record calibration results. Ensure calibration reading is 100ppm.
- 4.12 Note any error messages. If calibration is ok, unit is ready for use.

5.0 Records

- 5.1 Calibration time, date and calibration results will be recorded on the designated form in the designated binder each time.
- 5.2 Calibration time, date and calibration results will also be on data log records.

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Figure 4 Draft 2/20/03



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ENVIROCON, INC.
AIR PLANT OPERATIONS PLAN

GTE Operation Support Incorporated, Hicksville, NY
70, 100, 140 Cantiague Rock Road
NYSDEC Site Voluntary Cleanup Number: V00089-01

Date: February 24, 2003

Objective: To provide procedures for assembly, movement, and operations of the air plant.

Scope: This procedure applies to:

- Assembly of the air plant
- Startup procedure
- Standard operations of the air plant.
- Shutdown procedure
- Casualty operations

Procedure:

1.0 The following Site plans and procedures will be followed

- Health and Safety Plan
- Equipment and Personnel Decontamination Plan
- Stack Monitoring Plan
- Technical Specifications

2.0 Air plant assembly

- The air plant will be assembled into 5 major components including a 10'x 24' skid containing the bag house, main blower, stack auxiliary blower, High Efficiency Particulate Air (HEPA) filter, and the generator.
- Two 3'x 24' skids containing three 24" to 12" Y connectors and the 12" slide valves.
- Three 8'x 20' carbon cans with two operating and one on-Site as a standby.
- The last component is the associated 24" and 12" piping including the tent connections
- Figure 1 provides a basic layout of the arrangement of the air system.

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2.1 Skid 1 assembly

- 2.1.1 The Skid will be assembled as shown in Figure 2. It will be approximately 10'x24' containing the majority of the air plant equipment.
- 2.1.2 The skid should be assembled with (8" w shapes) sections with at least (6" w shapes) cross beams. The equipment should be bolted directly to the skid
- 2.1.3 All electrical cables will be well supported and installed to prevent being snagged or pinched during movement.
- 2.1.4 This skid may have some lights installed overhead
- 2.1.5 Figure 2 shows the physical arrangement.

2.2 Skid 2 and 3 assembly

- 2.2.1 Skids should be assembled of light materials, such as 3"x 3"x1/4" angle as shown in Figure 3.
- 2.2.2 These assemblies are to allow for easier movement of the air plant.
- 2.2.3 The skids are intended to provide a stable platform to make the connections from the tent connection points to the bank of "Y" connectors and the 12" slide valves will be installed at the end of the "Y" connectors.

2.3 Carbon Beds

- 2.3.1 The carbon beds will be located as close as possible to the air plant skid, however, the distance will change due to varying locations of the structure. The carbon beds will be located next to each other as shown in Figure 1
- 2.3.2 The beds will be connected in such a way that there is a primary and secondary bed with a spare standing by or in the process of having the carbon replaced.

2.4 Piping

- 2.4.1 The prefabricated structure penetrations for the 12" ducting will be attached to the structure permanently. High quality vent filters will be used to pre-filter the air stream, and should be replaced as they become visibly discolored. The Excavation Superintendent will be responsible for insuring the filters are regular changed when they become discolored.
- 2.4.2 Ducting will be generally arranged as indicated in Figure 1 and adjusted accordingly. Ducting connections, penetrations, and couplings will be sealed with high strength adhesive tape (Duct Tape).

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3.0 Startup Procedures

- 3.1 The generator startup procedure will be provided by the manufacture of the generator and posted on the generator.
- 3.2 Open or check open all 12" slide gates.
- 3.3 Start the 13,000-Cubic Feet per Minute (CFM) blower as directed by operation procedure posted on the starter for blower.
- 3.4 Record startup differential pressures and velocities for use in generating the Daily Air Plant Log Sheets refer to Figure 1 for readings locations.

4.0 Air plant's initial startup

- 4.1 Complete system assembly
- 4.2 Complete system startup
- 4.3 Record all baseline readings
- 4.4 Secure plant.
- 4.5 Use baseline readings to develop baseline system data.
 - 4.5.1 Develop minimum and maximum readings for the air plant logs. Figure 5&6
 - 4.5.2 Using system information provided by maximum operating differential pressure.
 - 4.5.3 Use the carbon beds differential pressure readings to provide historical reference to check future efficiency.

5.0 Standard operations of the air plant. The air plant will have a normal operating capacity of at least 13,000 (CFM-Cubic Feet per Minute). The door to the tent will be the path for makeup air and must maintain at least 100 (CFM) when fully open. Periodically the velocity must be measured by either a vane type or a hand held velometer. The velocity of the air passing under the door to the tent when it is closed within 4' of the floor should be maintained at least 300 ft/min.

- 5.1 After successful completion of the startup procedure, record the first set of log readings.
- 5.2 Hourly take 24" duct velocity
- 5.3 Hourly take PID/FID reading in locations shown on Figure 1
- 5.4 Hourly take differential pressure reading in locations shown on Figure 1
- 5.5 Record weather system information if system is installed at the air plant
- 5.6 Compare all readings. Note any readings that exceed operating maximum. Refer to the Casualty Section for any out of specification readings.

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6.0 Shutdown operation

- 6.1 Hourly take 24" duct velocity
- 6.2 Record final differential pressure reading in locations shown on Figure 1
- 6.3 Record weather system information if system is installed at the air plant
- 6.4 Shutdown 13,000 CFM blower
- 6.5 Check that diesel generator is not operating at high end of temperature range. If it is let generator idle until it has cooled off and in the middle of its operating temperature range.
- 6.6 Secure the diesel.
- 6.7 Close all cover plates and panel door

7.0 Air plant relocation

The air plant relocation will be scheduled with Site Monitoring Support to ensure that the necessary support is available for disconnecting the ducting. Figure 4 shows the general layout of the site with the locations for the air plants in relation to the excavation areas. Air plant #1 will be at site 1-1 for cells one and two, 1-2 for cells three and four, 1-3 for cells five and six, and 1-4 for cell number 12. Air plant #2 will be at location 2-1 for cells seven and eight, and 2-2 for cells nine through eleven.

- 7.1 Perform a normal shutdown operation
- 7.2 Lockout/tag-out the air plant
- 7.3 Following direction of Site Monitoring Support assigned to the task, disconnect the 12" vent ducts from the slide gated and 24" vent ducts into manageable lengths.
- 7.4 Site Monitoring Personnel will ensure that all air plant ducting and equipment opening are either sealed checked to be free of contamination prior to being relocated.
- 7.5 The ducting and generator will be disconnected.
- 7.6 If the air plant has to be moved a significant distance a crane will load the air plant, generator, and carbon cans onto a flatbed truck. The truck will move the equipment to its next location. The crane will be relocated and unload the equipment.
- 7.7 If the distance is short enough the crane will move the equipment without the use of the flat bed truck.
- 7.8 All ducting and the generator will be reconnected.
- 7.9 Startup the air system as per section 3 tests for and seals all leaks.

8.0 Casualty operations

- 8.1 Velocity in main 24" duct below the normal 4100 ft/min
 - 8.1.1 Compare both velocity readings.

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8.1.1.1 If one reads normal, clean Pitot tube for the velocity meter reading low, or clean/replace the faulty Velocity meter.

8.1.1.2 If both gages read low, check the pressure differential gages for the carbon cans, bag house, HEPA filter and refer the causality situation that applies.

8.1.1.3 If all differential pressures are lower than normal, check open slide gates. Check inlet filters for excessive build up.

8.2 Bag house differential pressure out of normal operating range

8.2.1 A bag house differential pressure read of zero indicates a burst bag in the bag house if all other system pressures are normal.

8.2.1.1 Immediately inform Excavation Superintendent and Site Monitoring Support of the situation.

8.2.1.2 Coordinate with Excavation Superintendent and Site Monitoring Support to determine the soonest time practical to stop tent operations and allow for system maintenance.

8.2.2 A bag house pressure higher than normal indicates build up on the bags in the bag house. As soon as practical, blow down the bag house. Refer to the bag house blow down procedure.

8.3 HEPA filter pressure differential higher than maximum allowed.

8.3.1 Check all other readings. If the rest of the system is operating normally, then the likely cause is that the filter is plugged. Inform supervisor immediately. Corrective action is to replace filter or filter elements.

8.3.1.1 Secure the air system

8.3.1.2 Site Monitoring Support will set up for capping the filter and performing radiation surveys

8.3.1.3 Site Monitoring Support will take all necessary health precautions the appropriate health plan.

8.3.1.4 Site Monitoring Support will assemble the necessary radiological containment's on the sides of the bag house over the access panels.

8.3.1.5 The used filters will be slid out and properly transported to the structure to be incorporated into the waste stream being sent to Envirocare

8.3.1.6 The new filter will be slid and locked into place.

8.3.1.7 The unit will be resealed.

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8.3.1.8 Start up the air plant and record initial differential pressure across the HEPA filter.

8.4 High differential pressure across the carbon beds.

8.4.1 High differential pressure is not an issue until it causes the system velocity to drop below 13,000 ft/min.

8.4.2 When system velocity approaches 13,000 ft/min, schedule the swap out of the affected carbon can.

8.4.3 Follow the change out procedure (section 8.7).

8.5 High PID/FID readings out exhaust stack.

8.5.1 If the outlet reading exceeds the maximum stack reading, inform the health and safety supervisor immediately.

8.5.2 Secure all excavation operations.

8.5.3 Contact Site Monitoring Support, Excavation Superintendent, Site Superintendent and GTEOSI representative of the specific exceedance.

8.6 High PID/FID readings across the carbon beds.

8.6.1 The consumption rate for the carbon during normal operation will be monitored to accurately estimate the time to break through. This will be used to schedule the replacement of the carbon beds.

8.6.2 A rotation time will be decided based on the consumption rate of the carbon.

8.7 Carbon bed replacement procedure

8.7.1 Secure the air system

8.7.2 Site Monitoring Support will set up for capping the piping and performing radiation and contamination surveys.

8.7.3 The 24" ducting will be removed. The inlet piping from the blower will be connected to the bed that was in service as the secondary bed.

8.7.4 The outlet piping from that bed will be connected to the inlet piping ports on the new carbon bed.

8.7.5 The return lines will be reconnected to the stack.

8.7.6 All joints will be resealed with tape before the system is started up.

8.7.7 Restart the system and inspect for leaks and seal all leaks using tape or other sealants.

8.8 Replacement of the carbon

8.8.1 24" ducting will be removed.

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- 8.8.2 The carbon will be removed using a Vac-truck out through the outlet plenum and placed in bags for future disposal off site.
- 8.8.3 The new carbon will be replaced through the same opening.

8.9 Loss of electrical power to air plant.

- 8.9.1 Inform the Excavation Superintendent and Site Monitoring Support on loss of ventilation and duration.
- 8.9.2 Secure all open access to the structure. Stop all transfer of equipment in and out of the tent.
- 8.9.3 Power is quickly restorable (less than 10 minutes).
- 8.9.4 Ascertain the reason for loss of ventilation, tripped breaker, generator stopped, etc.
- 8.9.5 Correct the problem.
- 8.9.6 Restart the system.
- 8.9.7 Inform Excavation Superintendent and Site Monitoring Support upon restoration of ventilation.
- 8.9.8 If power restoration will be timely or cause cannot be quickly determined.
 - 8.9.8.1 Secure the air plant, follow proper lockout/tagout procedures, and inform Site Monitoring Support.
 - 8.9.8.2 Relocate the standby power plant to the affected air plant.
 - 8.9.8.3 Disconnect the affected generator and connect the new power plant.
 - 8.9.8.4 Perform a normal startup on the generator and air plant.
 - 8.9.8.5 Inform Excavation Superintendent and Site Monitoring Support upon restoration of ventilation.

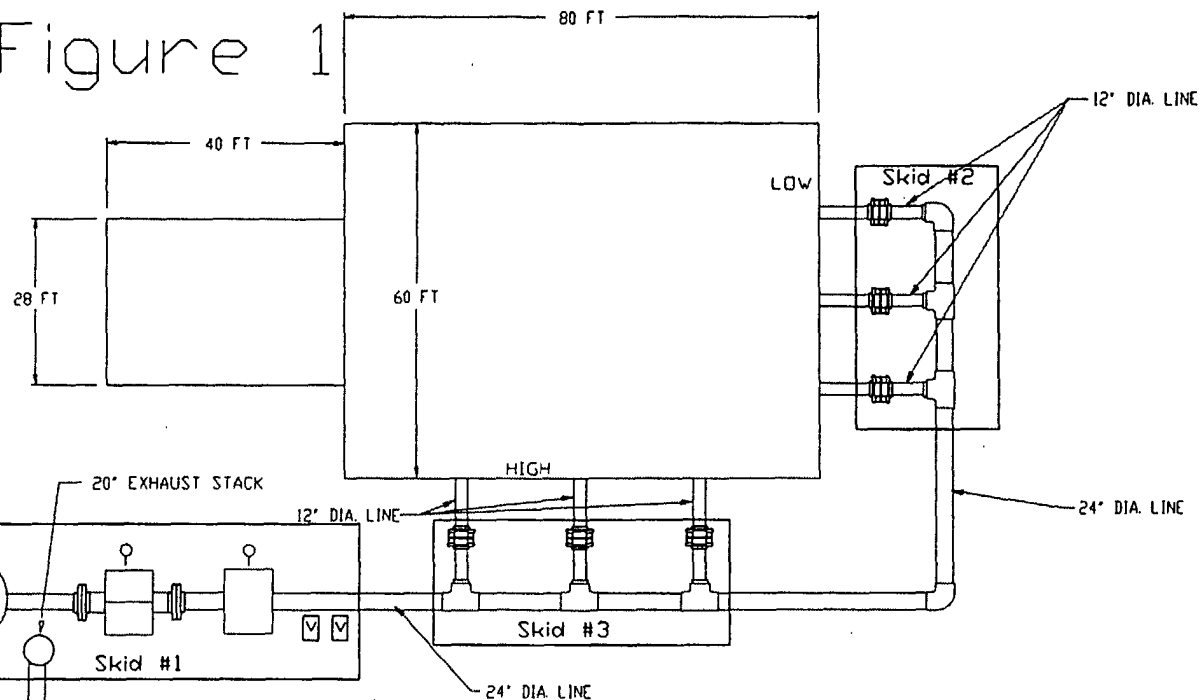
9.0 GTEOSI Project Team will retain all documents for incorporation into the Site Document Control Center files.

SYL00116675

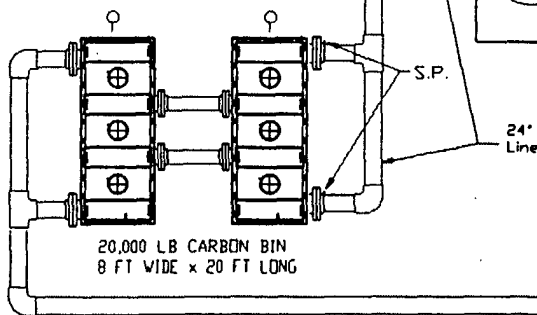
04/10/03
Figure 1



HIGH DISCHARGE SIDE OF BUILDING



SYL00116676



20,000 LB CARBON BIN
8 FT WIDE x 20 FT LONG

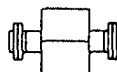
SYMBOLS



Velocity Meter



AIR DAMPENERS



HEPA FILTER, 36' DIA.



DIFFERENTIAL PRESSURE GAUGE



SAMPLE PORTS



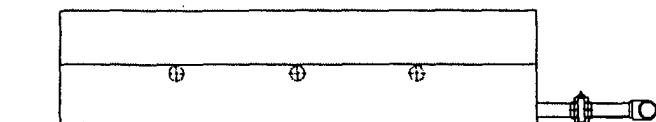
BAG HOUSE

NOTES:
1. ALL SYSTEM SPECIFICATIONS AND INFORMATION OBTAINED FROM THE SUPPLIER SHALL BE REVIEWED AND APPROVED BY THE USER. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF THE SYSTEM. THE INFORMATION AND SPECIFICATIONS OBTAINED FROM THE SUPPLIER SHALL BE SUPPLEMENTED BY THE USER'S OWN KNOWLEDGE AND EXPERIENCE. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF THE SYSTEM.

NYSDEC:00089-1
URS 27010-039

DATE	DESCRIPTION	APPROVED
04/10/03	13,000 CFM SYSTEM (OPTION # 3)	
SCALE: NONE	DESIGNED BY: J. J. J.	DRAWN BY: J. J. J.
CHECKED BY: J. J. J.	ENGINEER: J. J. J.	DATE: 04/10/03
SHEET: 1		

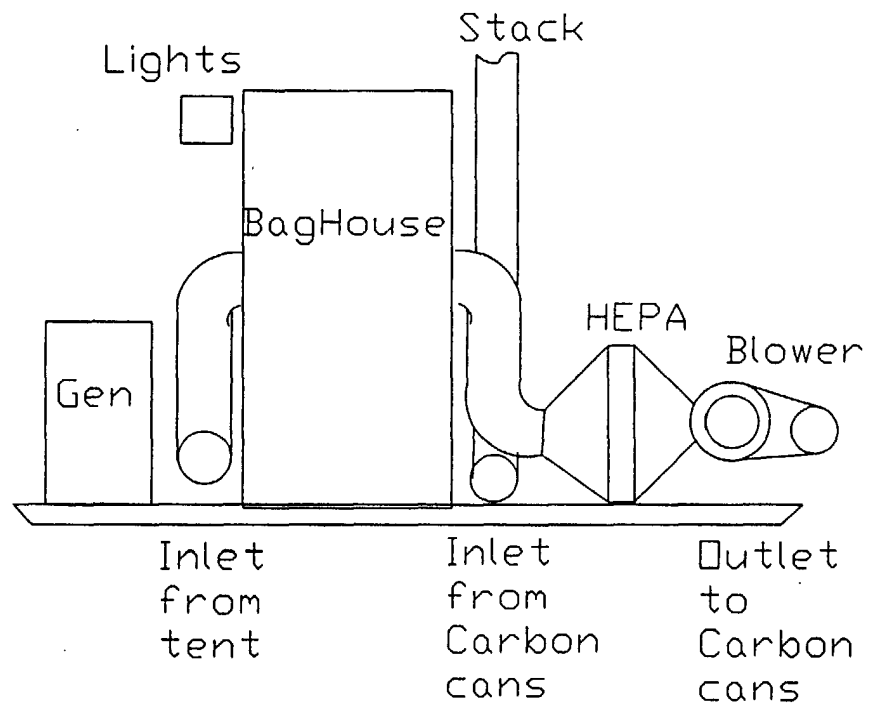
LOW DISCHARGE SIDE OF BUILDING



Draft 2/20/03

Figure 2 Skid #1

W8 skid 30' x 10

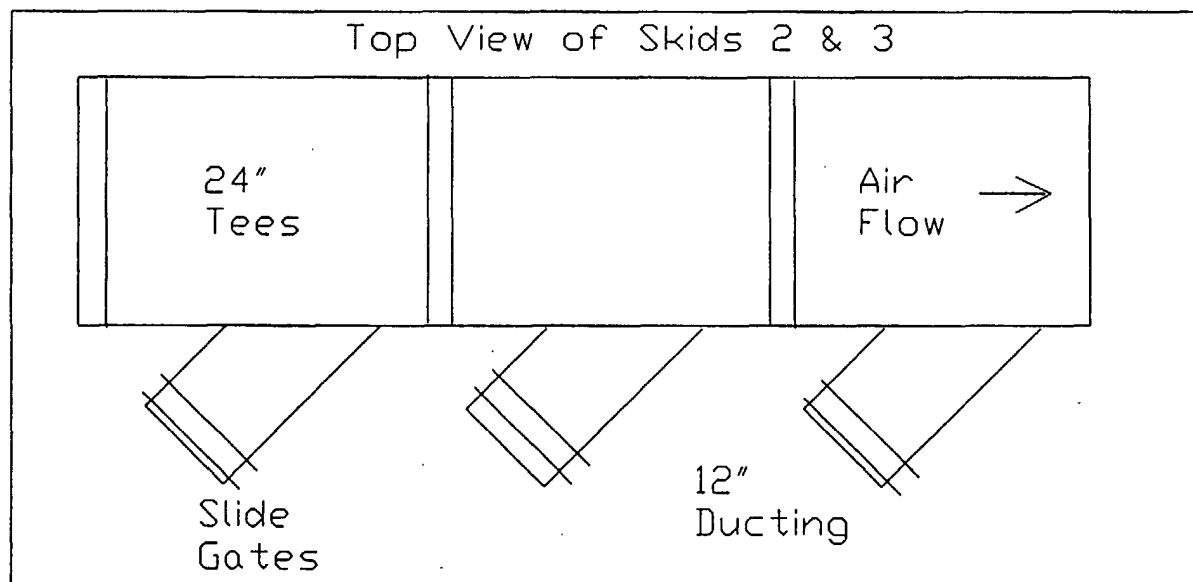


SYL00116677

NYSDEC:00089-1
URS27010-039

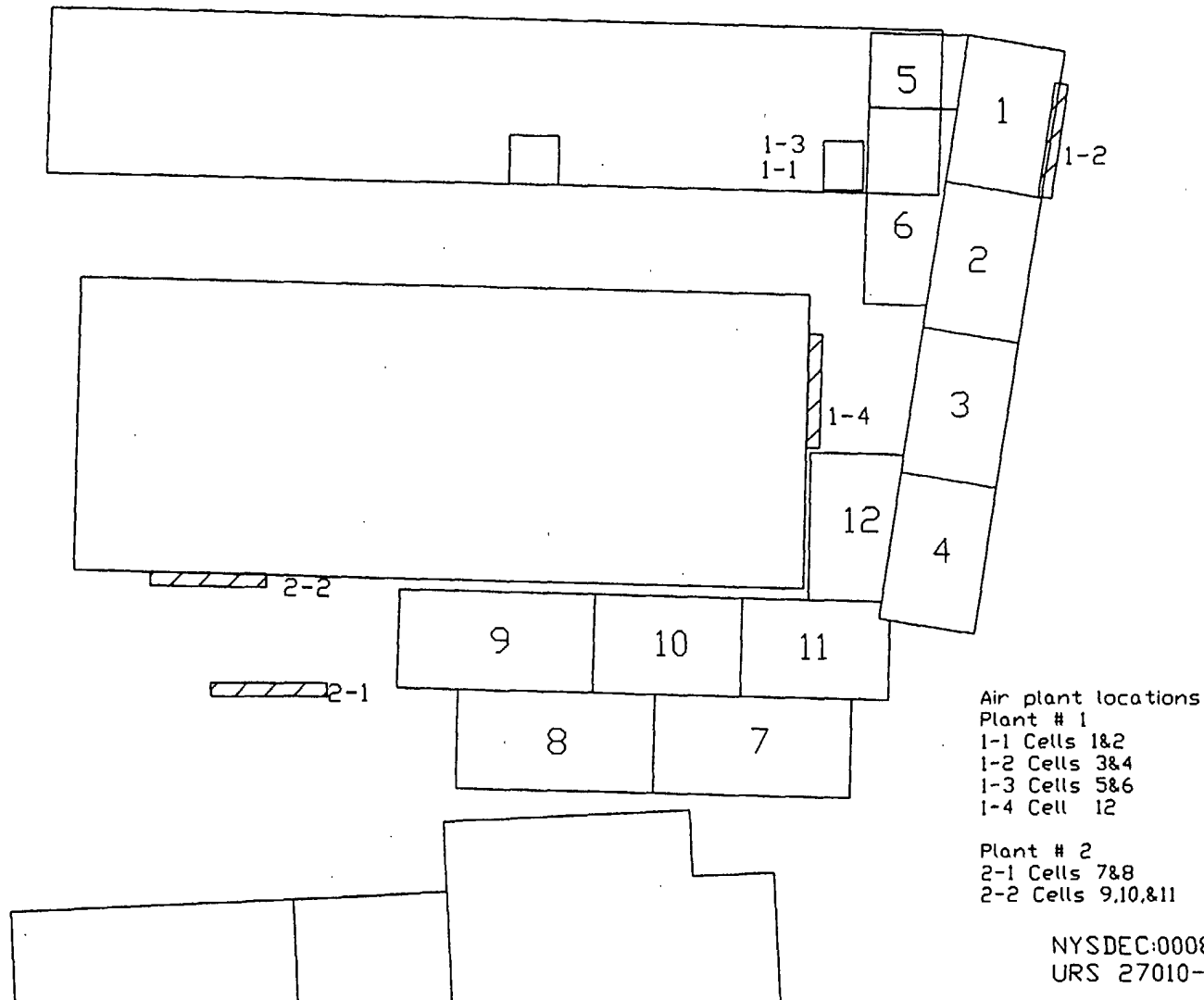
Draft 2/20/03

Figure 3 Skid #2 or 3
3"x3"x1/4"angle



NYSDEC:00089-1
URS27010-039

Figure 4 Draft 2/20/03



SYL00116679

NYSDEC:00089-1
URS 27010-039

Air Plant Operation Log

Date: _____ Airplant Operator: _____

Pressure Drop Across Baghouse: _____ Time Recorded: _____

Realtime PID Readings of system:

Time of Reading: _____

w/o Filter w/ Filter

A Primary Inlet: _____

A Primary Outlet: _____

B Primary Inlet: _____

B Primary Outlet: _____

C Primary Inlet: _____

C Primary Outlet: _____

Exhaust Stack: _____

Stack Gas Flow Rate: CFM

Inches in

Stack	Velocity
2"	_____
4"	_____
6"	_____
8"	_____
10"	_____
12"	_____
Total Sum	0
Avg. Vel.	0

Add Velocities and divide by 6 = Avg. Velocity.

_____ X 3.14 = _____
Avg. Velocity CFM

SYL00116680

Air Plant Maintenance Report

Date:		Time:										
Control Panel	Baghouse Inlet Temp	Deg F										
	Baghouse Outlet Temp	Deg F										
	Damper ID	% Closed										
	Baghouse Diff Press.	" of Water										
	HEPA Diff. Press.	" of Water										
	Blower Diff. Press.	" of Water										
	Fan Current ID	Amps										

Weather	Ambient Temp	Deg F										
	Humidity	%										
	Barometer	" of Merc.										
	Heater Temp	Deg F										
	Wind	Speed/Dir.										
	Dew Point	Deg F										

A	Inlet	Pressure/Temp.										
	PID Reading	ppm										

B	Inlet	Pressure/Temp.										
	PID Reading	ppm										

C	Inlet	Pressure/Temp.										
	PID Reading	ppm										

Duct PID Reading (24")	ppm											
Stack Reading	ppm											

Employee Initials												
-------------------	--	--	--	--	--	--	--	--	--	--	--	--

SYL00116681

4/8/03

Sampling Pipe
20" Stack Pipe 6'
Elevation

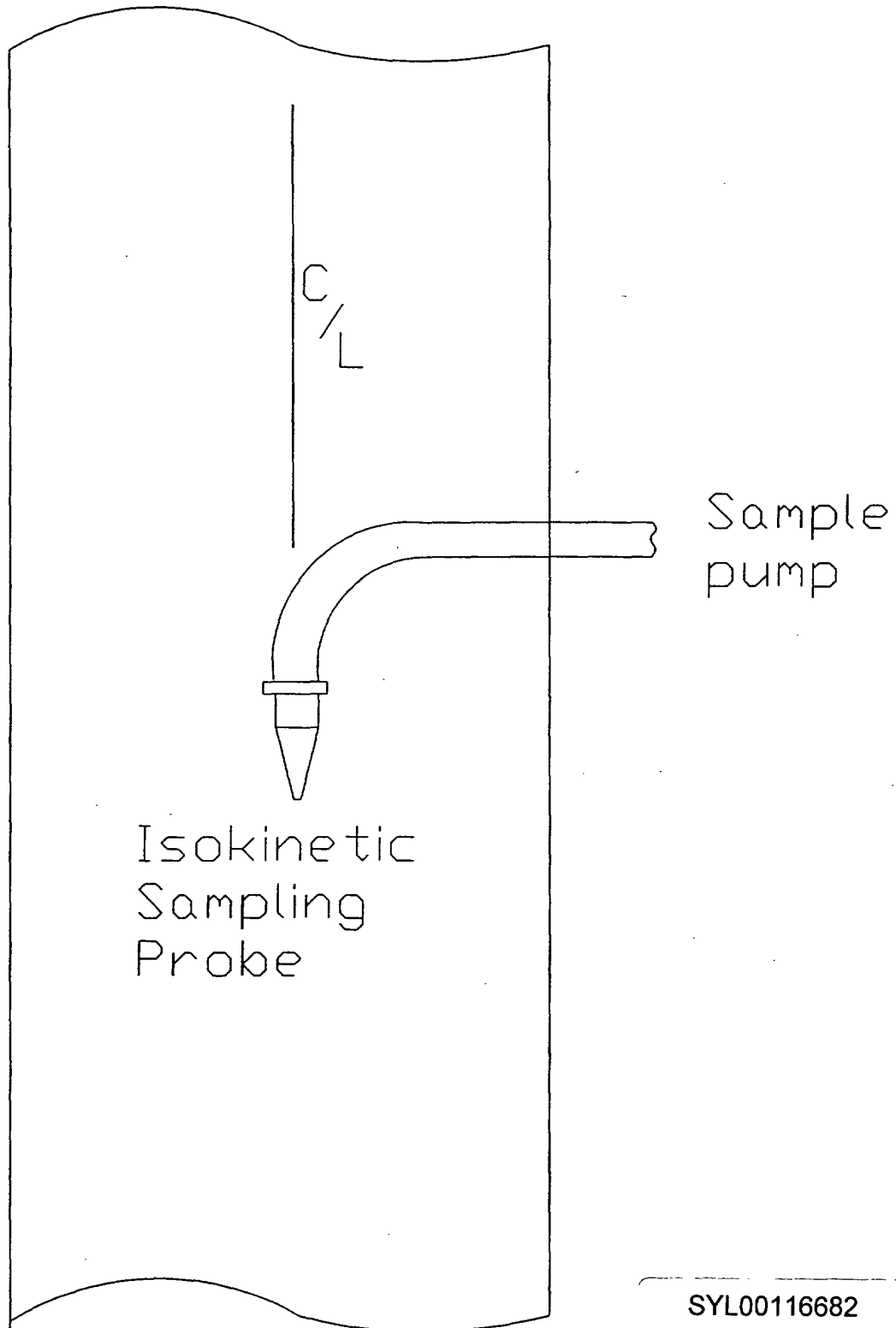


Figure 7

SYL00116682

NYSDEC#00089-1
URS27010-039

APPENDIX L



ENVIROCON, INC.
STRUCTURE ERECTION PLAN

GTE Operation Support Incorporated, Hicksville, NY
70, 100, 140 Cantiague Rock Road
NYSDEC Site Voluntary Cleanup Number: V00089-01

Date: February 24, 2003

Title: Structure Erection Plan

Objective: To provide the procedures to be implemented for assembly and erection of the two Big Tops tent shelters (structure).

Scope: This procedure applies to:

- Assembly of the two 60' x 120' three part structure and the associated 40' x 28' structure (airlock).
- Air Plant assembly procedure and the connection of the necessary ventilation components to the structures.

Procedure:

1.0 The following plans and procedures will be followed:

- Site Health and Safety Plan
- Technical Specifications as supplied by Big Top, the manufacturer

2.0 Structure Erection

- 2.1** The construction schedule is sequenced such that the assembly will have the minimal impact on other activities.
- 2.2** On-site operations personnel will conduct the assembly of the structure. The manufacturer will have an on-site technician to direct the assembly sequence.
- 2.3** On-site operations personnel will ensure that base elevations and alignment of the structures are within manufacturer's tolerances and other applicable work plans.
- 2.4** The specific drawings associated with the assembly instructions are supplied by Big Top Shelters. The manufacturer's on-Site representative to account for Site-specific conditions may change the assembly order. It

will be the responsibility of the manufacturer's representative to coordinate the sequence of parts in the assembly of the structures.

2.5 On-Site operations personnel will ensure the following:

- The manufacturer's representative signs off on the frame assembly.
- All doors will be installed by a pre-approved and fully insured door installer.
- Structures are fully sealed after erection or movement for the structure sections.
- All rips and tears are properly sealed.
- The anchoring system is approved by the Big Top Shelters' engineers, and that the anchoring system properly ties in with the shoring and bracing.
- Obtain certification signatures by manufacture's representative engineer and the Town of Oyster Bay permit.

3.0 Manufacturer's Assembly Instructions

3.1 Base Rail Assembly

Locate the drawings for the base rail sections. Read and understand the base rail drawing. These sections must be placed in their proper locations now or you will backtrack to this step in the future. Take the necessary time to understand all of the components on the base rails. Each section of the base rail must be placed in sequential order and located on the proper side of the structure.

Locate the #1 section on the right and left side of the structure. The double Lashing Winches (Cover Ratchets) are located on the end of this piece corresponding with the end of the structure. The #1 section is 288" long with a Swage (reduction) on the opposite end. Position these sections of base rails 60' apart and parallel to each other. Make sure that the lashing winches are pointing to the inside of the structure. Make sure that the pre-welded cover attachment nuts are located on the outside of the building. These nuts will attach the fabric later in the installation.

Locate the #2 sections. The #2 section is 191.25" long. Connect this section-to-section #1 and bolt together with ½" x 1 ½" bolts. Torque the nuts to 20 lbs./ft. Make sure that the pre-welded cover attachments are located on the outside of the building. These nuts will attach the fabric later in the installation.

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3.2 Pre-Assembly of Arches

Each Main Support truss has four components. There are a total of five arches. Each main truss is set to 10' on center to achieve the 40' overall length. Each truss has two arch bows and two each upright columns.

Pre-assembly of truss #1 through #5 should be completed first. Refer to the Truss Piece layout page of the shop drawings for truss assembly. Use $\frac{1}{2}$ " x 1 $\frac{1}{2}$ A-325 structural bolts. Torque to specification.

Position truss #1 in front of the base rails with the upright resting close to the end of section #1 base rail (on the ratchet end).

3.3 Raising Trusses

Find the 110' cable. Run one end of the 110' cable to the center of the arch bow. Loop the end of the cable around the first x-brace tab, approximately 6' from centerline. Run the end of the cable around the next x-brace tab opposite of centerline. Pull the cable until one half is equal to the other half. This cable will be used to stabilize the first truss when it is released from the lifting equipment. Run the other 110' cable the opposite direction (this cable is only temporary) in the same manner.

Raise the truss with the lifting equipment shown on your equipment list. The truss should clear the base rail by 1 to 2 inches. Position the truss over the end of the base rail section #1 (by ratchets). Lower the truss onto the base plates. Bolt securely. If the truss is at a different angle, a long pinch bar or cover tensioning tube can be used to position and align the individual chords of the truss. Make sure that you do not get under the suspended load. If the truss slips off the base rail plates, foot or hand injuries can occur.

While the lifting equipment is still in position, attach the 110' cables to any heavy object that will prevent the truss from tipping. Repeat on the opposite side with the other 110' cable. Remove the lifting equipment's rigging and proceed to the next truss.

After you lift truss #2, install one x-brace each side of the centerline, at the x-brace tabs of the structure. Also attach the lower x-brace on both side columns. When all 3 x-braces are secured with 4 bolts each, you can remove the rigging on the lifting equipment.

Repeat the process until all 5 main arches are complete. Approximate time should be 6-8 hours.

SYL00116686

When all trusses are standing, continue to install the remaining x-braces. There are 32 total x-braces using $\frac{1}{2}$ ' x $1\frac{1}{2}$ " A 325 bolts. When trusses 1-5 and all x-braces are completely installed and secured, proceed with installing the cable bracing.

3.4 Cable Bracing Installation

The purpose of the cable bracing is to provide wind bracing in the lateral direction of the structure and to "square up" the end of the structure.

To begin the installation, the cable bracing must be rigged with hardware properly to function per specification. Cable bracing components, per 40-foot section, are:

- a) 8 pcs 25' wire rope $\frac{1}{4}$ " diameter
- b) 4 pcs 110' wire rope $\frac{1}{4}$ " diameter
- c) 40 pcs cable clamps
- d) 10 each turn buckles $\frac{1}{2}$ " x 6"
- e) 10 each brace bands with $\frac{3}{8}$ " x $1\frac{1}{2}$ " bolts

Pre assemble the turnbuckles on one end of each remaining wire rope cable. Loosen the nuts on the cable clamps and slide them onto one end of the cable. Then proceed to loop the end of the cable through the loop on the turnbuckle. Once it is through the loop in the turnbuckle, send the end of the cable through the two cable clamps. Make sure that the "saddle is on the live horse". The cable clamp has three components, a U-bolt, a saddle, and nuts. The saddle should always be positioned on the tension cable, not the loose end. Tighten the nuts securely alternating back and forth from nut to nut. The opposite end of the cable should wrap the truss tightly and secure with two cable clamps.

3.5 Cable Bracing Position

The 25' cables form side x bracing for the columns or sidewalls of the structure. They are attached at the inside chord above x-brace tab on the high side of the cable. On the low side of the cable, they are attached to the base of the upright column sections. The turnbuckle is attached at the base of the structure with a cable brace tab. The brace tab is $\frac{3}{8}$ " x 2" x 4" with a hole in each end.

The 110' cables form roof x bracing. The turnbuckle can be placed on either side of the structure. The loose end of the cable is looped around the inside chord of the truss at the same x-brace connection tab as the 25' cable except it attaches below the tab. See cable diagram for placement details.

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3.6 End Panel Frame and Fabric

Locate the end panel drawing. The end panel frame is designed to support the end panel fabric.

Begin by locating the pallet with the end panel outside and front center of the structure. Familiarize yourself with the interior and the exterior of the end panel. The hem of the perimeter of the panel is on the inside of the end panel fabric.

Once you have determined the interior vs. exterior, position the pallet so that the hem (interior) is facing the structure. Remove the end panel from the pallet by unrolling the material each direction to the full open position. Find the top center of the panel; duct tape is located at this position. This step is critical.

Once you find center, tie 6-60' straps to the leading edge of the panel. Three straps should be spaced to the right of centerline at 6' spacing and three should be spaced to the left of the centerline at 6' spacing.

Next, position a manlift facing the centerline of the building with the basket directly under the end of the structure. Hoist the leading edge of the fabric end onto the basket and clamp it. Allow enough slack material to allow the men to position/work the panel once they are in position. A good rule of thumb is at least 6' of material should be above the edge of the basket. Use cardboard off the packaging to protect the caver from the sharp edge on the basket of the manlift.

When the pre-work is complete, we are ready to hoist the panel. Make sure that all straps are secure and tight and that all personnel are clear of the area. Two to three persons should remain to support the lifting operation. As the panel is being hoisted, these persons should support the material on the ground so that it does not drag on the concrete.

When the panel reaches the top center of the frame, another group of personnel should join them from the inside on another manlift. These men are tasked to tie the panel temporarily into position. Start at the center and flip the leading edge over the top center of the end arch. Tie the panel securely to the bottom chord of the end arch. Tie it so that it will not pull off the center of the structure. Use the 60' long tether straps as additional pulling power from the ground crew. When you have secured the top center, proceed toward one side of the structure and secure the panel every 6'. When you have secured one-half of the panel, repeat the process on the other half of the panel. When the leading edge is completely over the edge of the end arch, locate the cables that are protruding out of the perimeter pocket. This continuous cable will be tensioned from both directions, by

SYL00116688

lashing winches located on the base rail. Note there are two lashing winches on each corner of the structure. The lashing winch that is closest to the corner is the winch for the end panel.

Pull the loose perimeter cable from the binding tape. Cut away any tape that is on this cable. Insert the cable through the slot on the lashing winch. Pull all of the slack through the slot. Begin tensioning the winch with a 1 1/8" ratchet. STOP! Repeat on the other side when you have the cables snug or you will pull the cable through the pocket. When both ratchets are spooled and attached, tension both rackets to approximately 70ft-lbs. of torque.

The doorways will be centered on the door opening when the panel is positioned properly. If the cover is not positioned properly, the panel must be loosened and re-positioned.

Next, insert the PVC pipes into the horizontal pockets located on the inside of the panel. The PVC pipes are two sizes, 1 1/2" (on bottom) and 3/4" (all remaining). The pockets on the panel are purposefully welded shut on both ends. If these panels are open on the ends, the pipe will slip out during operation. Therefore, to insert the pipes, a slit must be made in one end. The pocket is approximately 4" wide so that the incision to insert the pipe needs to be located on the top end of one side of the pocket. When the pipe is inserted through this incision, it can drop down into the bottom of the pocket where it will not slip out. Tape or glue all junctions of PVC.

3.7 Door Panel Rigging

The door panel has three main sections, the door sections and fixed sections. The perimeter cable on one side and a Velcro strip on the other side secure the side sections. The main door section has a series of horizontal pockets and vertical cables pre-attached and rigged. Be careful not to pull these cables before they are properly rigged to the structure.

Install 2 pulleys directly above the cables on truss #1 using 2 brace bands. Repeat this step on all vertical cables left and right of centerline. Proceed to truss #4 (center truss) and install over pulley block with a hangar cable top center lower chord of truss. Next move to the side of truss #4. Attach 1 each pulley block to the column of truss #4 close to the side of the building and in a direct path to the winch.

An electric or manual winch attaches to the inside chord of truss #4 at shoulder level on an electric winch, or hip level on the manual winch. Use 3 each 3/8" x 3" bolts provided. Tighten securely.

SYL00116689

Attach all of the Velcro straps on the left and right side of the panel to the trolley trucks. Trolley trucks fit within the door track on the end panel frame.

Continue to lift the door to the upright position. Be careful that the trolley trucks move freely throughout the full range of door travel.

Lower the door to ground level. Locate the snap hook pre-assembled to the base of each of the vertical cables. This snap hook requires an attachment point at ground level. For installation on dirt use the included Quick links. Locate spiral anchors beneath the snap hooks on the vertical cables. Connect the Quick link through the hole in the top of the anchor. Tighten securely.

Attach the snap hook to the Quick link at all locations. Tension the cables by spooling the winch inward. When the winch is tight, STOP! The door is now properly closed. To open the door, loosen the winch. Detach all the hooks from the Quick links. Raise the door by turning the winch. Stop at the open position.

Repeat the end panel assembly for end panel #2.

3.8 Installing the Main Cover

Pre-cut 5 each 2" x 100' straps. Throw these straps over the structure in each bay. You can actively throw over one strap and pull the others over with it. Be careful not to entangle the straps if you choose this method.

Unroll the cover down one side of the structure. Familiarize yourself with the cover's interior and exterior sides. All grommets are on the interior. Make sure that you position the cover so that once pulled, the interior will be on the inside of the shelter.

The cover is folded in an accordion (or layered) format. This enables you to pull the leading edge up and over the frame. From one side the top fold and bottom fold of the stack will contain a pre-welded pocket. This pocket has several cutouts on a pre-determined pattern. This pattern corresponds with the pre-welded nuts on the base rail and the holes in the cover tensioning tubes.

Before pulling the cover over the frame, first insert the cover tensioning tubes into the leading edge and trailing edge of the cover. First insert the tubes into the trailing edge. Proceed by turning over the layers or folds to expose the trailing edge. Insert the tubes into the pocket. Insert the 18" long allthread into the nuts on the base rails. Tighten the rods with a vise

SYL00116690

grip. Push the pocket onto the allthread and secure with the washers and nuts provided.

Now turn the layers back over to expose the leading edge of the cover. Repeat the process of inserting the cover tensioning tubes. Locate the pull pole; 72" in 3 sections provided with the kit. Tie the pull pole to the leading edge cover tensioning tubes in every cut out. Attach the 100' straps that were thrown over the frame to the pull pole.

Attach the other end of each strap to a piece of heavy equipment. A Tram or EBFL will work fine. We attached 3 straps to all EBFL and 3 straps to a tram to keep everything level.

3.9 Cover Pull Management

Pulling the cover can be very easy or disastrous.

Rules:

- a) Always pull with the wind, never against the wind.
- b) NEVER attempt in winds exceeding 15 knots.
- c) Pull slowly.
- d) Watch for snags and stop if you see something bind.
- e) Assign personnel specific tasks and make sure that everyone knows the hand signs.

Begin to move forward with the equipment until the leading edge begins to rise. STOP! Make sure all straps are tight and the cover is raising level. Tag lines can be attached to each side of the cover to control the overlap.

Pull the cover over the frame until the center of the cover, marked with duct tape, is at the center of the frame. STOP! Back up the equipment and disconnect.

Flop the ends of the cover over the end of the frame and attach to the lashing winches at all 4 corners.

Continue by tensioning the cover equally front and back. Stop where the overlap flap is at the bottom chord of the end truss. Repeat on back of shelter.

Attach the leading edge cover tensioning tubes to the allthread. Torque the nuts with the 1/2" impact and 3/4" allthread sleeve tool.

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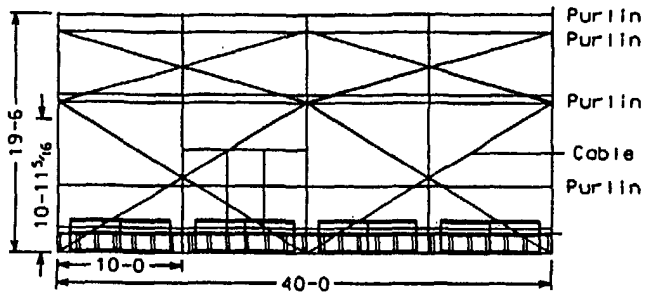
3.10 Checklist

- a) Complete anchoring
- b) Make sure that the cover is tight
- c) Make sure that the cable clamps are placed on the tensioned cable of the fabric such that the cover attachment break cannot be thrown.

4.0 Records

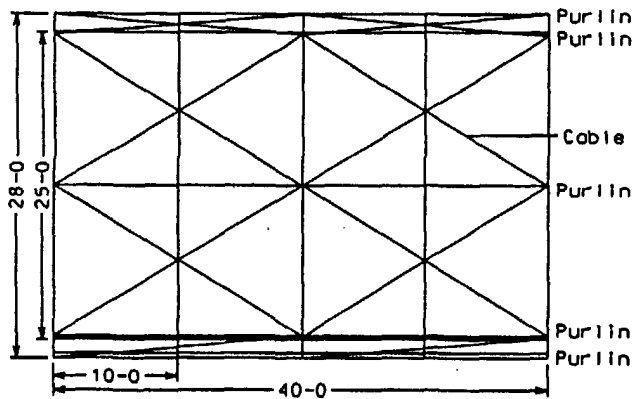
- 4.1 Site Monitoring Personnel shall document results of all monitoring activities and health and safety issues that arise during all phases of the erection of the structures.
- 4.2 All records including plans, drawings, logs, safety forms, etc., shall be maintained at the Site in accordance with the Document Control procedures.

SYL00116692



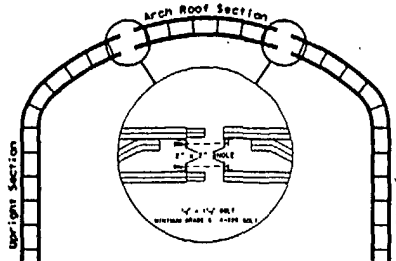
Elevation View

SIDE CABLE BRACING
1/2" DIA. 6 x 26 GALVANIZED
BREAKING STRENGTH 23,800 LBS

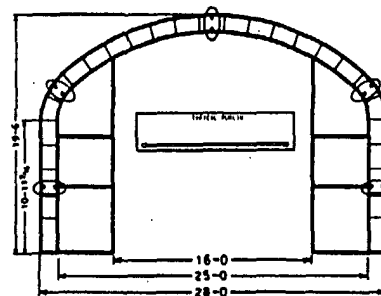


Plan View

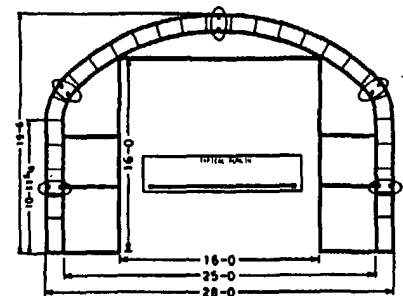
TOP CABLE BRACING
1/2" DIA. 6 x 26 GALVANIZED
BREAKING STRENGTH 23,800 LBS



Truss piece layout

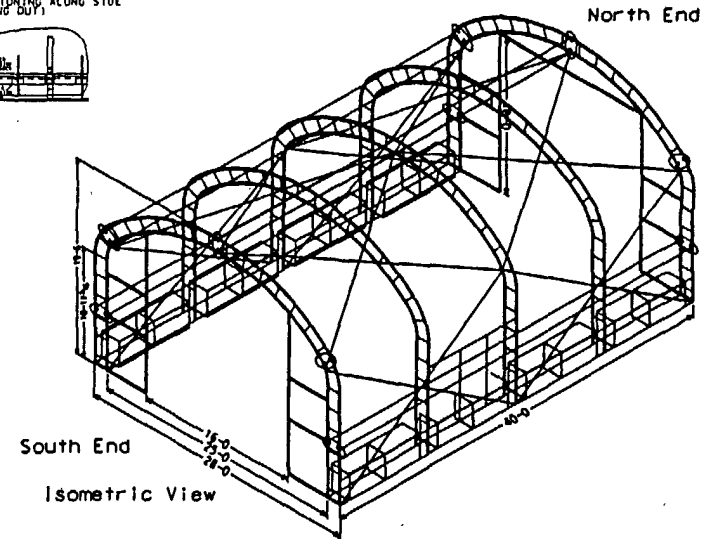
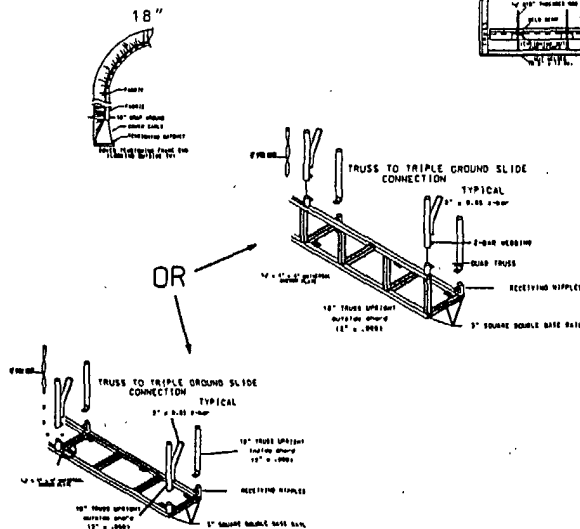


South End Elevation



North End elevation

ALL-THREAD COVER TENSIONING ALONG SIDE
(INSIDE LOOKING OUT)



South End

Isometric View

DRAWN BY: DAVID ROBERTS
DATE: 3/14/02
VIEW: Over View
REQUESTED BY: G.W. PRIDGEON
CHECKED BY:

GTE Hicksville
Long Island

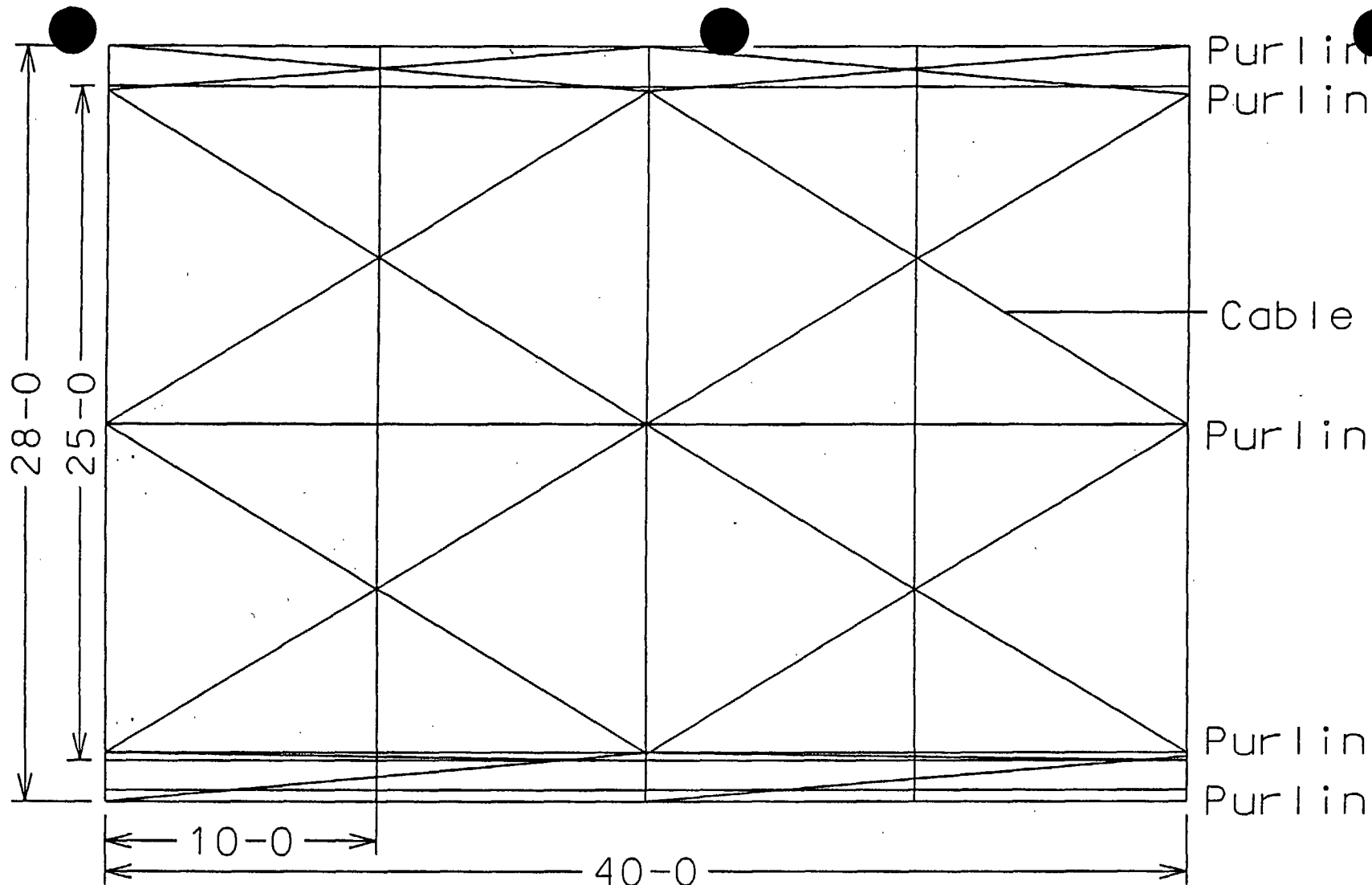
28' w x 40' l x 19'-6" h

CAD FILE: GW/2002/envirocon

ALL INFORMATION IS PROPERTY OF BIG TOP MANUFACTURING



3255 N. US 19
PERRY, FLORIDA 32347
PHONE 1-800-277-8677
FAX (850)584-7713
E-MAIL:
sales@bigtopshelters.com



Plan View

SYL00116694

TOP CABLE BRACING
 $\frac{1}{2}$ " DIA. 6 x 26 GALVANIZED
 BREAKING STRENGTH 23,800 LBS

DRAWN BY: DAVID ROBERTS

DATE: 3/14/02

VIEW: Over View

REQUESTED BY: G.W. PRIDGEON

CHECKED BY:

GTE Hicksville
 Long Island

28' W x 40' L x 19'-6" H

CAD FILE: GW/2002/envirocon

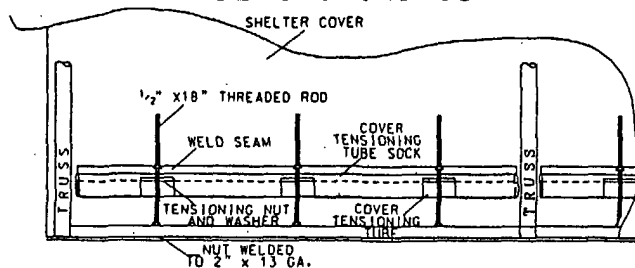
ALL INFORMATION IS PROPERTY OF BIG TOP MANUFACTURING



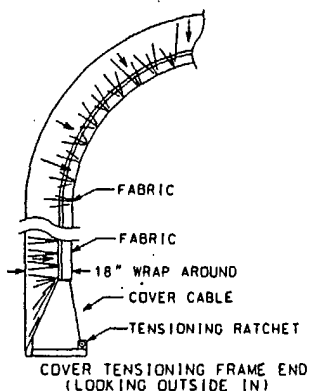
3255 N. US 19
 PERRY, FLORIDA 32347
 PHONE 1-800-277-8677
 FAX (850)584-7713

E-MAIL:
sales@bigtopshelters.com

ALL- THE COVER TENSIONING ALONG SIDE
(INSIDE LOOKING OUT)



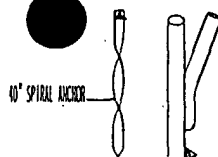
18"



SYL00116695

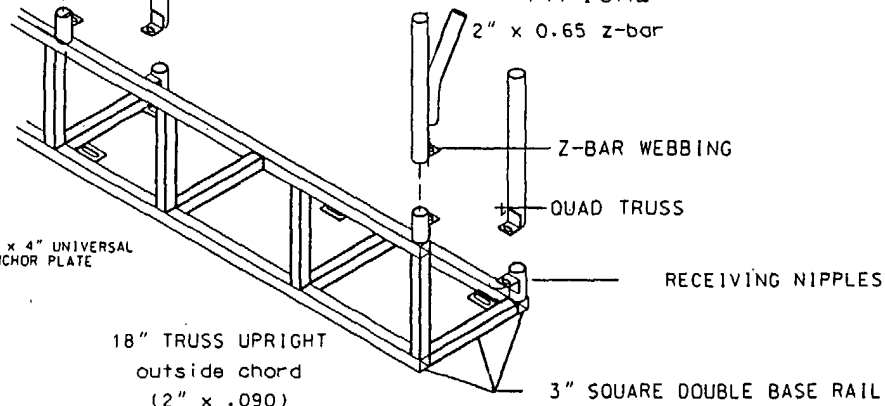
Shelter Specifications

Width: 28'
Height: 19'-6"
Length: 40'
Wind: 110 mph
Snow: 30 p.s.i



TRUSS TO TRIPLE GROUND SLIDE
CONNECTION

TYPICAL

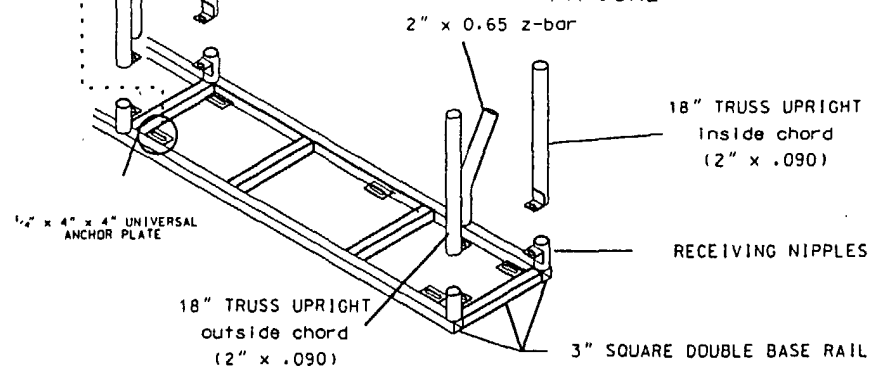


OR



TRUSS TO TRIPLE GROUND SLIDE
CONNECTION

TYPICAL



DRAWN BY: DAVID ROBERTS

DATE: 3/14/02

VIEW: Over View

REQUESTED BY: G.W. PRIDGEON

CHECKED BY:

GTE Hicksville
Long Island

28' w x 40' l x 19'-6" h

CAD FILE: GW/2002/envirocon

ALL INFORMATION IS PROPERTY OF BIG TOP MANUFACTURING

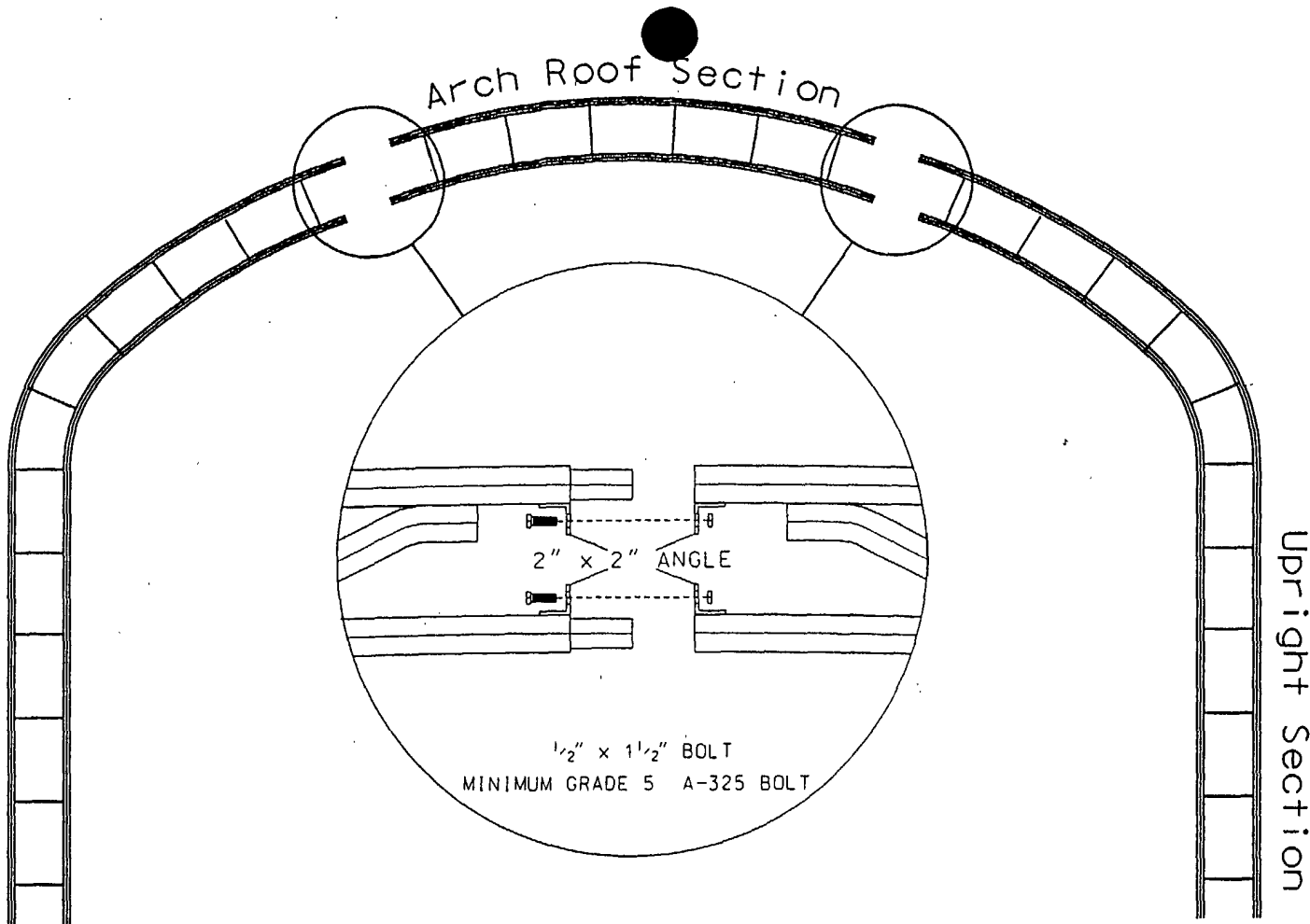


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FAX (850)584-7713

E-MAIL:
sales@bigtopshelters.com

PAGE 1

Upright Section



Upright Section

Truss piece layout

SYL00116696

DRAWN BY: DAVID ROBERTS

DATE: 3/14/02

VIEW: Over View

REQUESTED BY: G.W. PRIDGEON

CHECKED BY:

GTE Hicksville
Long Island

28' w x 40' l x 19'-6" h

CAD FILE: GW/2002/envirocon

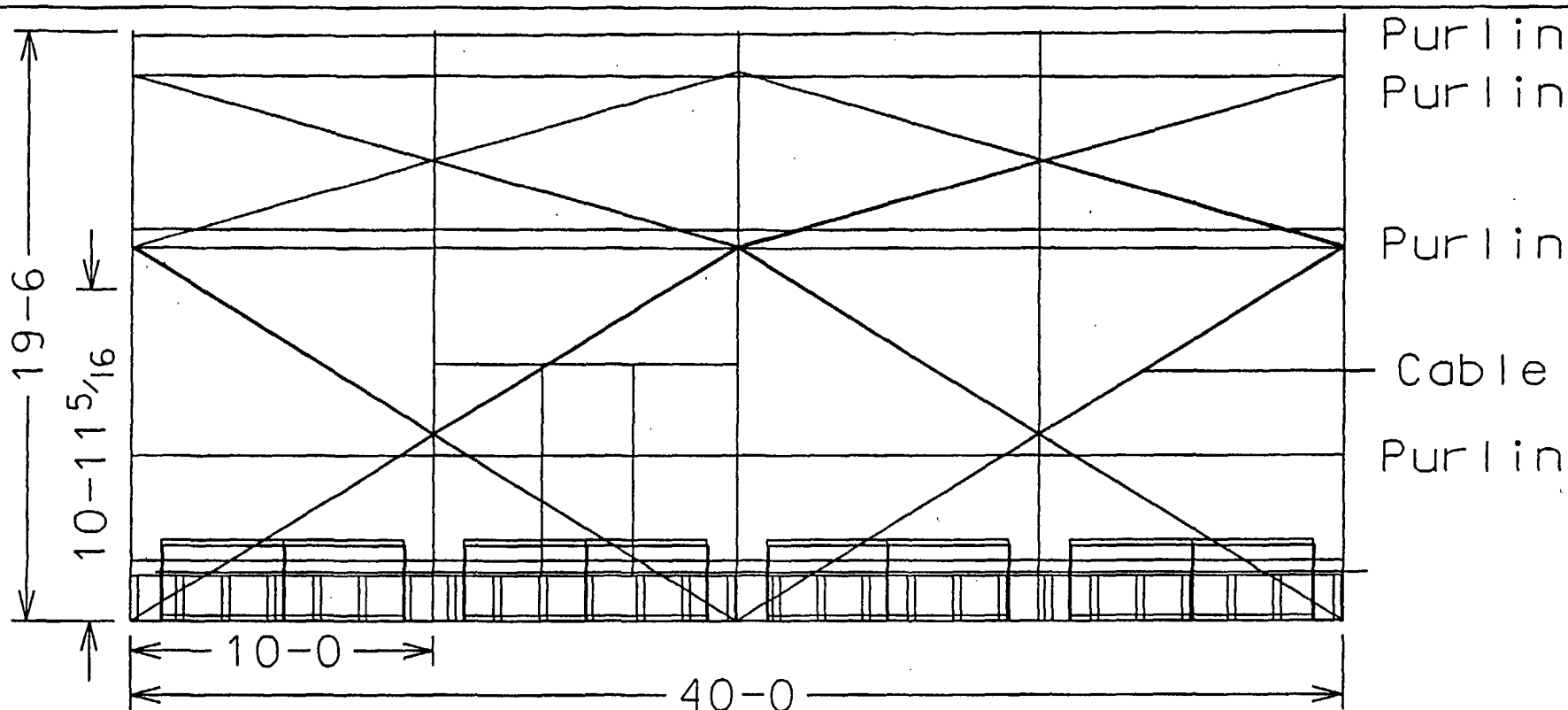
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PAGE 1



Elevation View

1/2" SIDE CABLE BRACING
DIA. 6" X 26 GALVANIZED
BREAKING STRENGTH 23,800 LBS

DRAWN BY: DAVID ROBERTS

DATE: 3/14/02

VIEW: Over View

REQUESTED BY: G.W. PRIDGEON

CHECKED BY:

GTE Hicksville
Long Island

28' W x 40' L x 19-6' h



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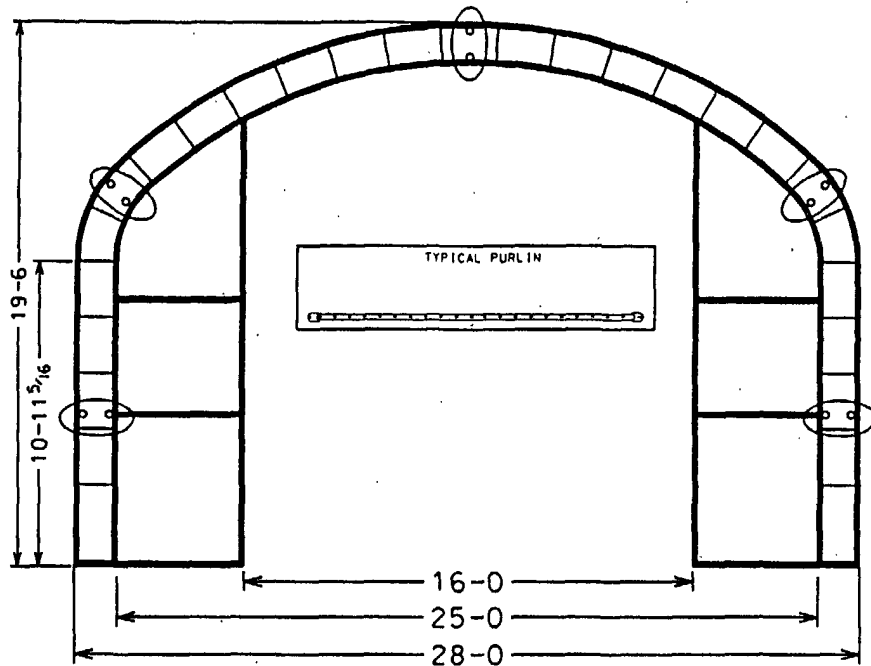
E-MAIL:
sales@bigtopshelters.com

AD FILE: GW/2002/envirocon

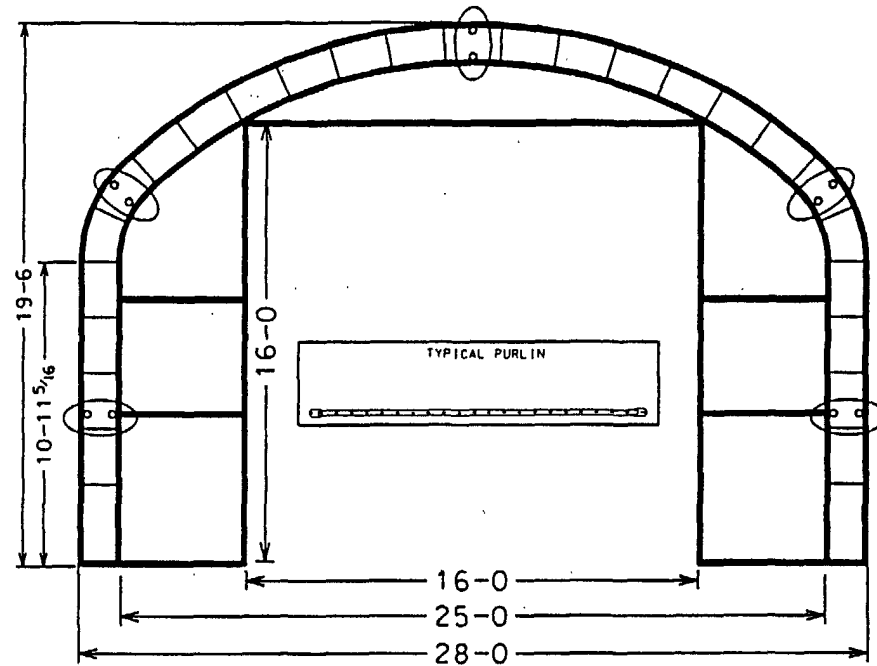
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PAGE 1

SYL00116697



South End Elevation



North End elevation

DRAWN BY: DAVID ROBERTS
 DATE: 3/14/02
 VIEW: Over View
 REQUESTED BY: G.W. PRIDGEON
 CHECKED BY:

GTE Hicksville
Long Island

28' W x 40' L x 19'-6" H

AD FILE: GW/2002/envirocon

*ALL INFORMATION IS PROPERTY OF BIG TOP MANUFACTURING

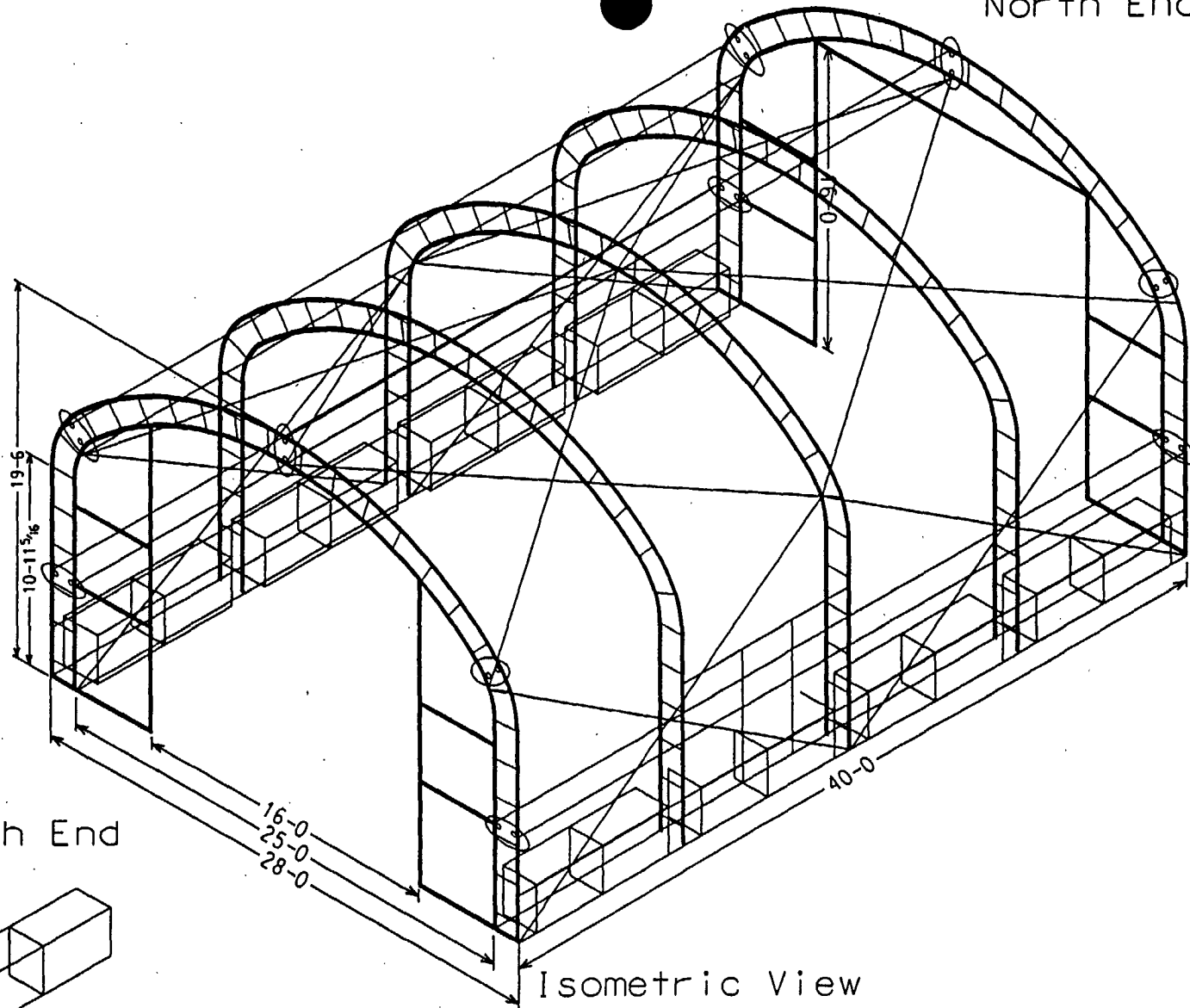


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PAGE 1

SYL00116698

North End



SYL00116699

DRAWN BY: DAVID ROBERTS

DATE: 3/14/02

VIEW: Over View

REQUESTED BY: G.W. PRIDGEON

CHECKED BY:

GTE Hicksville
Long Island

28' W x 40' L x 19'-6" H

CAD FILE: GW/2002/envirocon

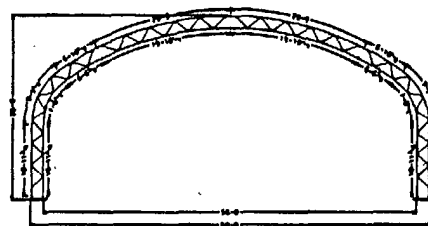
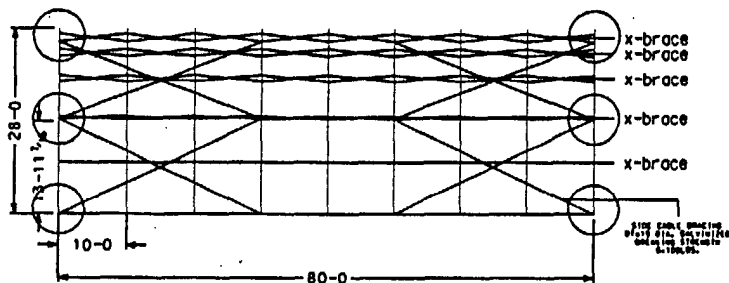
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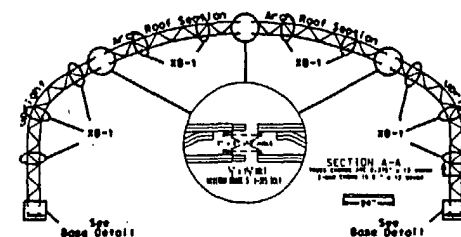
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FAX (850)584-7713

E-MAIL:
sales@bigtopshelters.com

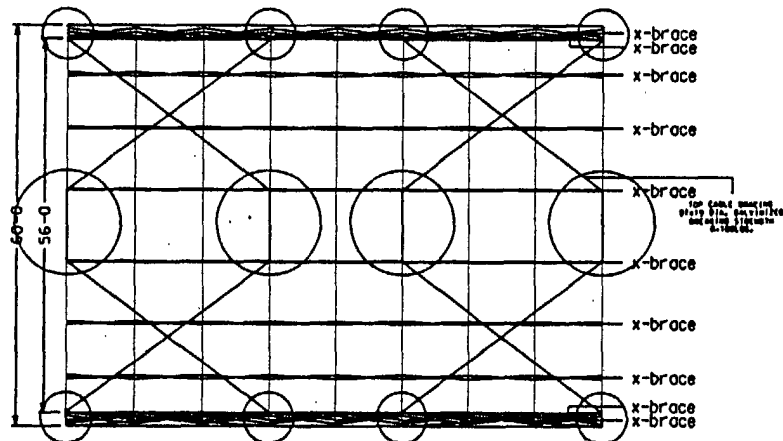
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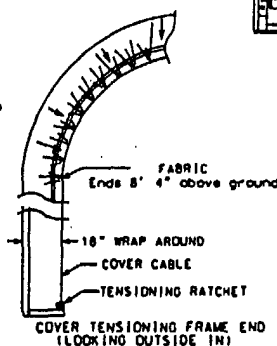
Truss Piece Layout



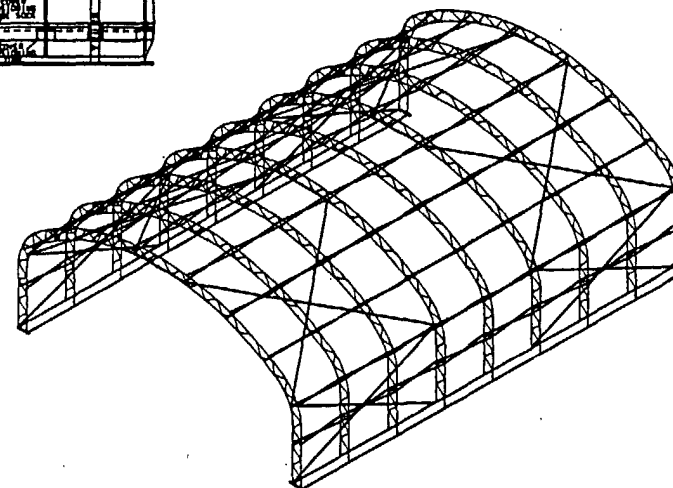
Truss Piece Layout



ALL-THREAD COVER TENSIONING ALONG SIDE
(INSIDE LOOKING OUT)



Designed For South Florida
1999 Dade County Edition
SHELTER SPECIFICATIONS: 60x40x80x28
WIND LOAD: COVER ON 85MPH
FABRIC 31 OZ. WHITE



SYL00116700

DRAWN BY: DAVID ROBERTS
DATE: 8/26/02
VIEW: Truss Dimensions
REQUESTED BY: GW Pridgeon
CHECKED BY:

DRAWING NO: 1

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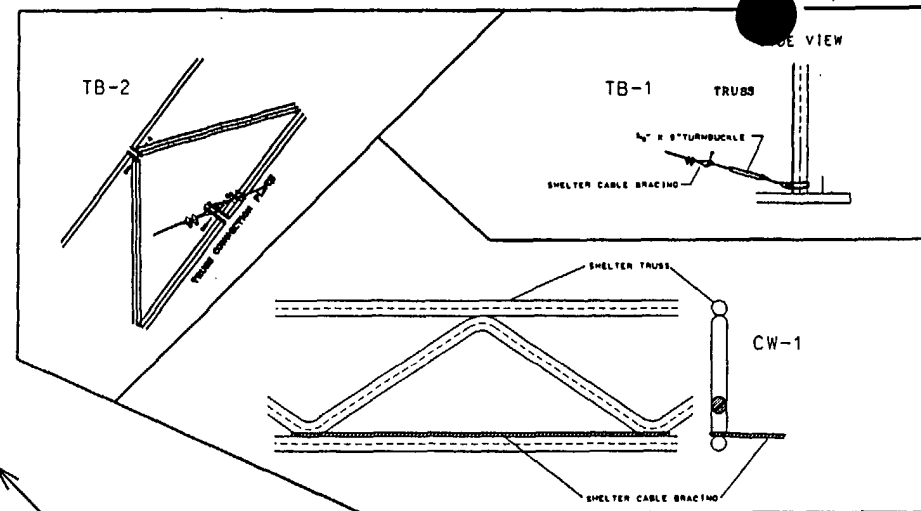
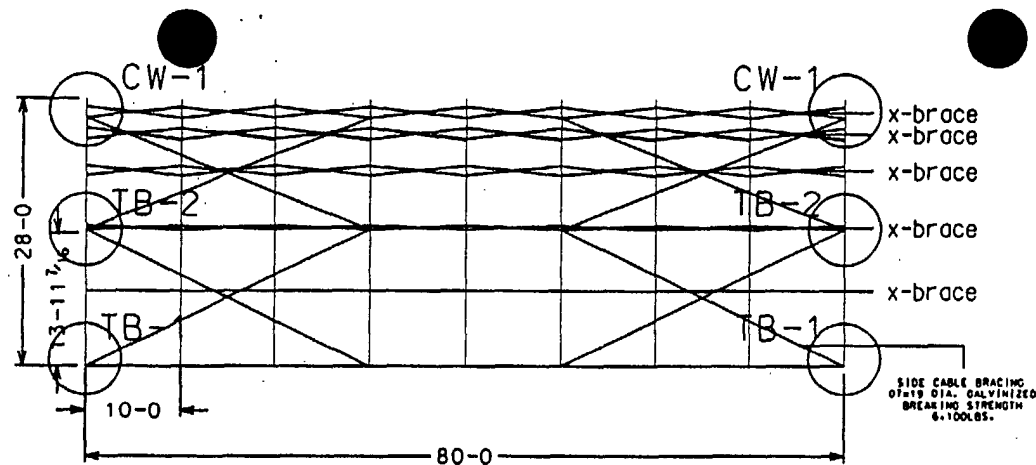
Mercury

60W X80L X 28H

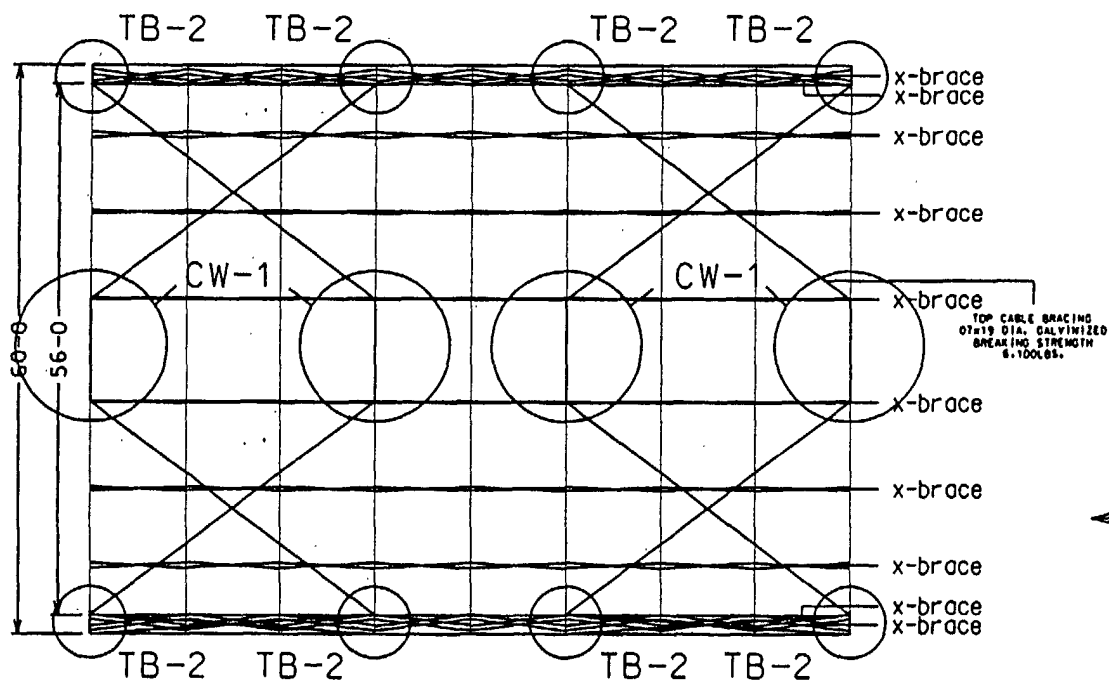
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Elevation view



Plan View

SYL00116701

DRAWN BY: DAVID ROBERTS
 DATE: 8/26/02
 VIEW: cable diagram
 REQUESTED BY: GW Pridgeon
 CHECKED BY:

DRAWING NO: 1

CAD FILE: DAVE/engineering 60x40x29

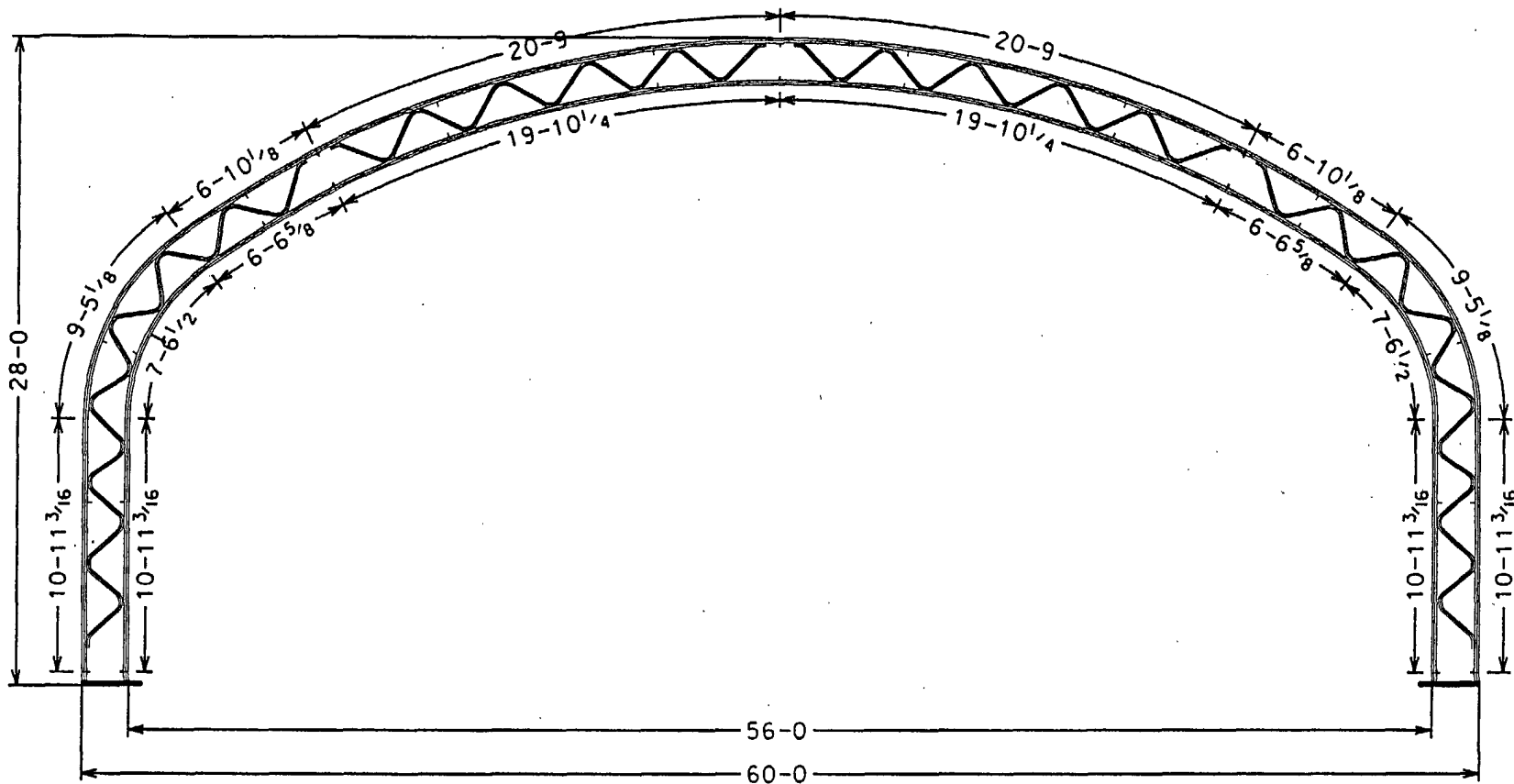
Mercury

60W X 80L X 28H

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Truss Dimensions

SYL00116702

DRAWN BY: DAVID ROBERTS
 DATE: 8/26/02
 VIEW: Truss Dimensions
 REQUESTED BY: GW Pridgeon
 CHECKED BY:

DRAWING NO: 1

AD FILE: DAVE/engineering/60x40x29

Mercury

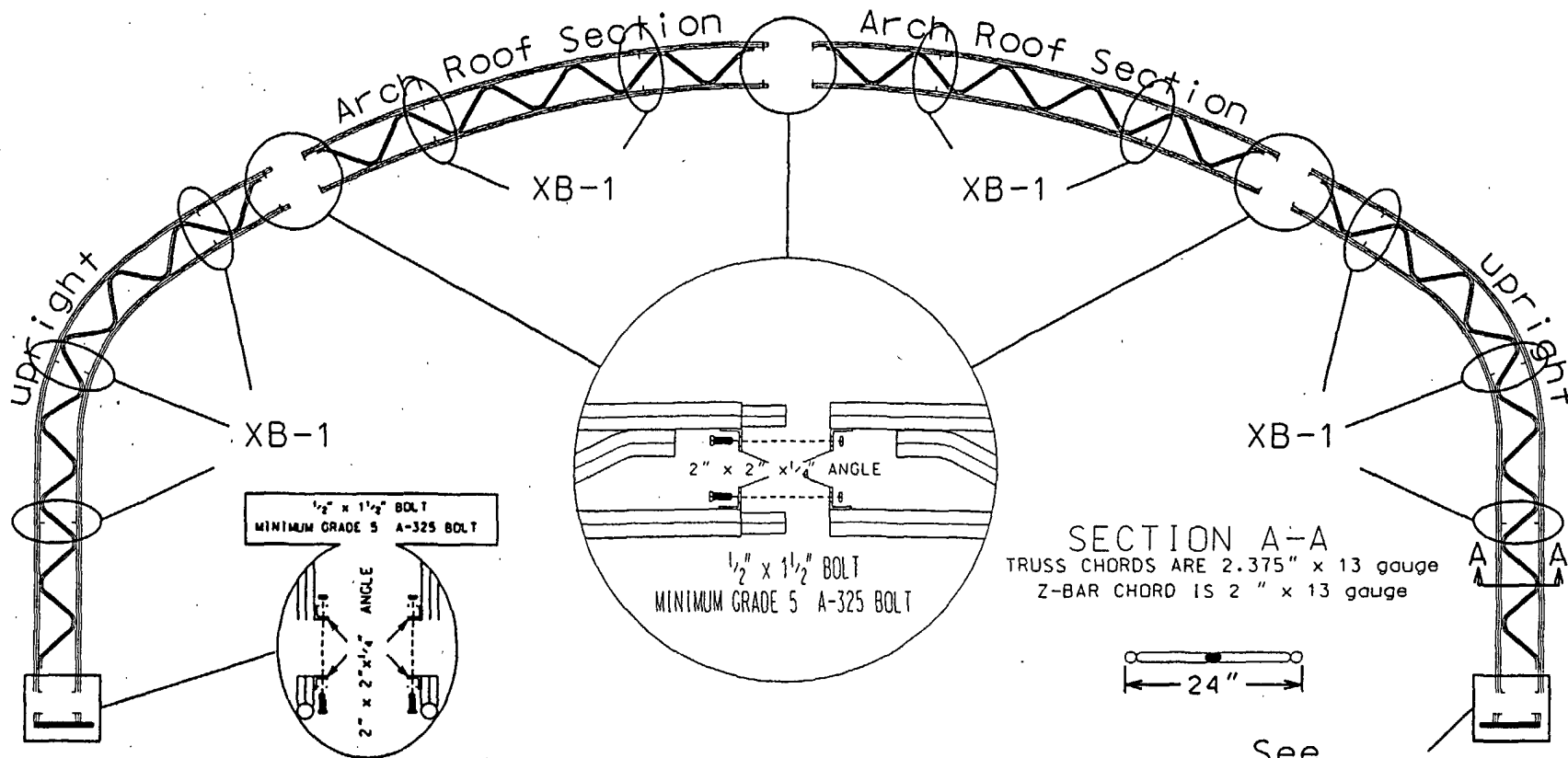
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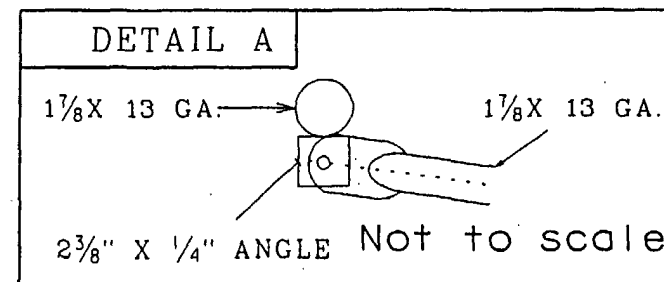
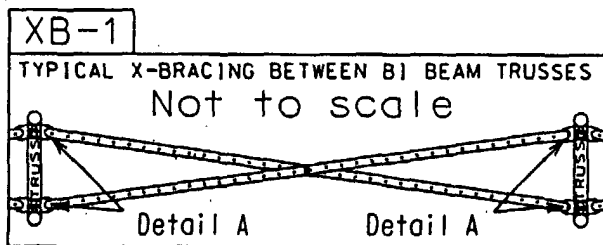


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SYL00116703



Truss Piece Layout



DRAWN BY: DAVID ROBERTS
 DATE: 8/26/02
 VIEW: Truss Piece Layout
 REQUESTED BY: GW Pridgeon
 CHECKED BY:
 DRAWING NO: 1
 CAD FILE: DAVE/engineering/60x40x29

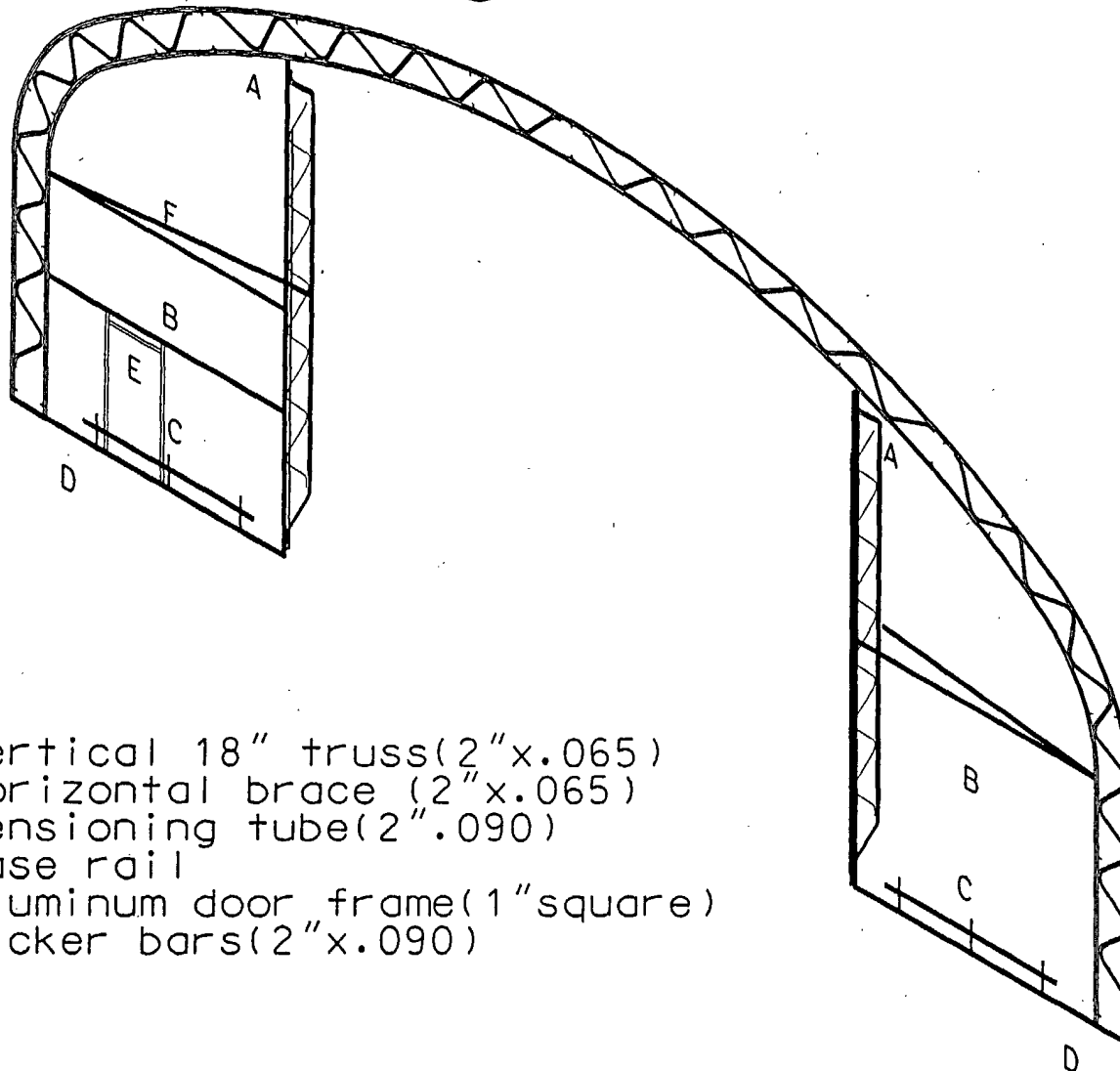
Mercury

60W X80?L X 28H

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A=2ea vertical 18" truss(2"x.065)
 B=3ea horizontal brace (2"x.065)
 C=2ea tensioning tube(2".090)
 D=2ea base rail
 E=1ea aluminum door frame(1"square)
 F=2ea kicker bars(2"x.090)

SYL00116704

DRAWN BY: DAVID ROBERTS
 DATE: 8/26/02
 VIEW: Truss Dimensions
 REQUESTED BY: GW Pridgeon
 CHECKED BY:
 DRAWING NO: 1
 CAD FILE: DAVE/engineering/60x40x29

Mercury

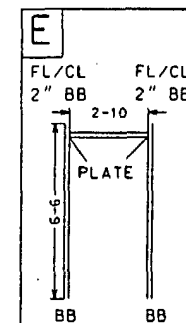
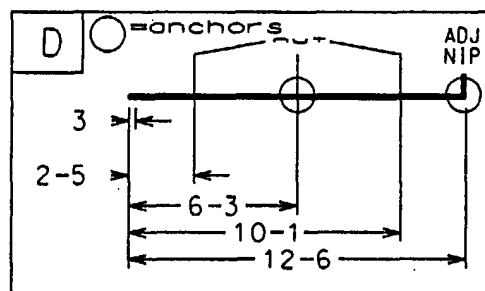
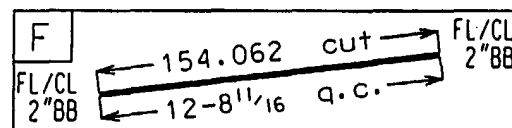
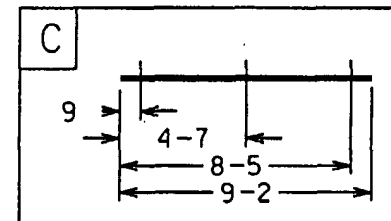
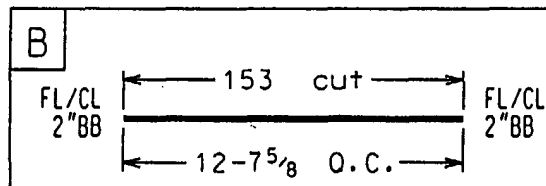
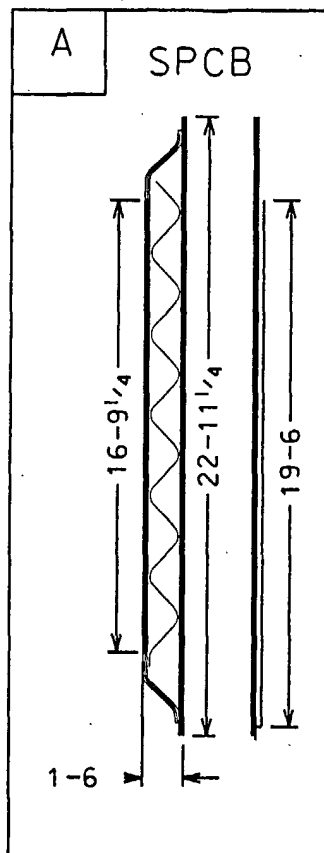
60W X80?L X 28H



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SYL00116705



DRAWN BY: DAVID ROBERTS
 DATE: 8/26/02
 VIEW: Truss Dimensions
 REQUESTED BY: GW Pridgeon
 CHECKED BY:
 DRAWING NO: 1
 CAD FILE: DAVE/engineering/60x40x29

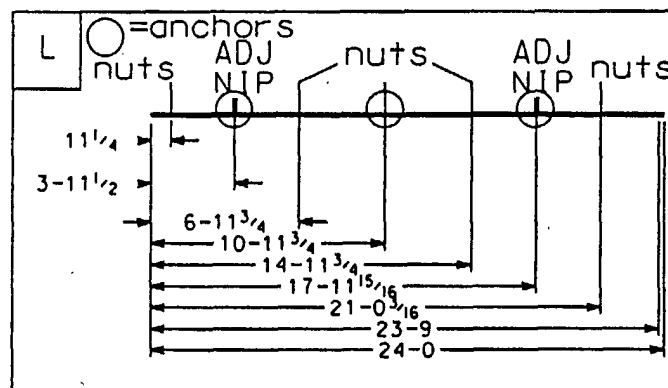
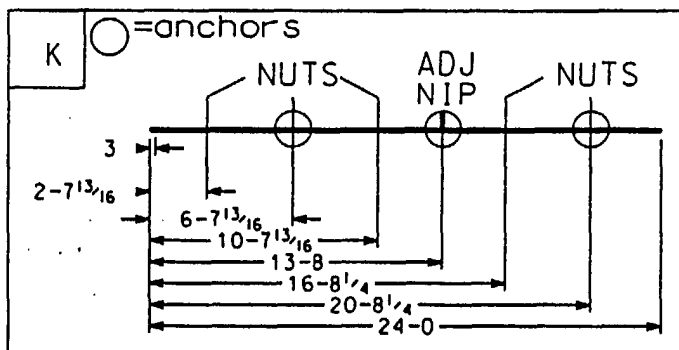
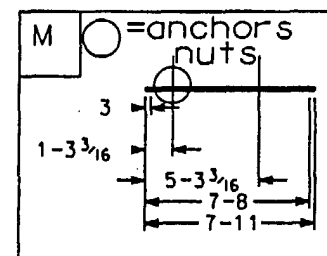
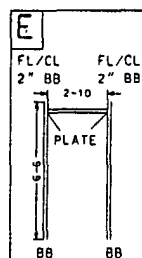
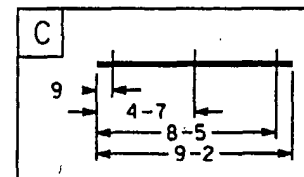
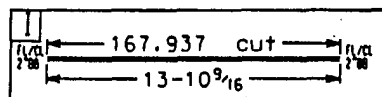
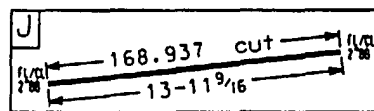
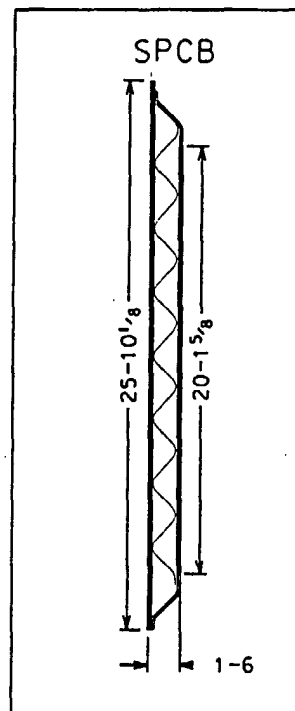
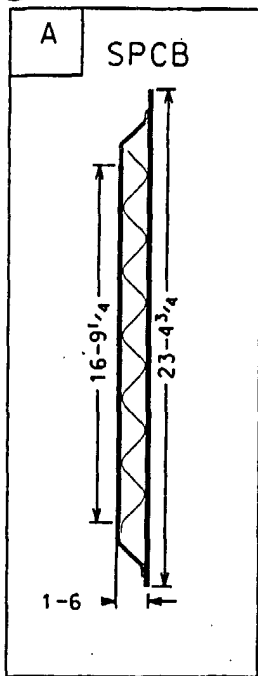
Mercury

60W X80?L X 28H

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SYL00116706

DRAWN BY: DAVID ROBERTS
DATE: 8/26/02
VIEW: Truss Dimensions
REQUESTED BY: G.W. Pridgeon
CHECKED BY:

DRAWING NO: 1

AD FILE: DAVE/engineering/60x40x29

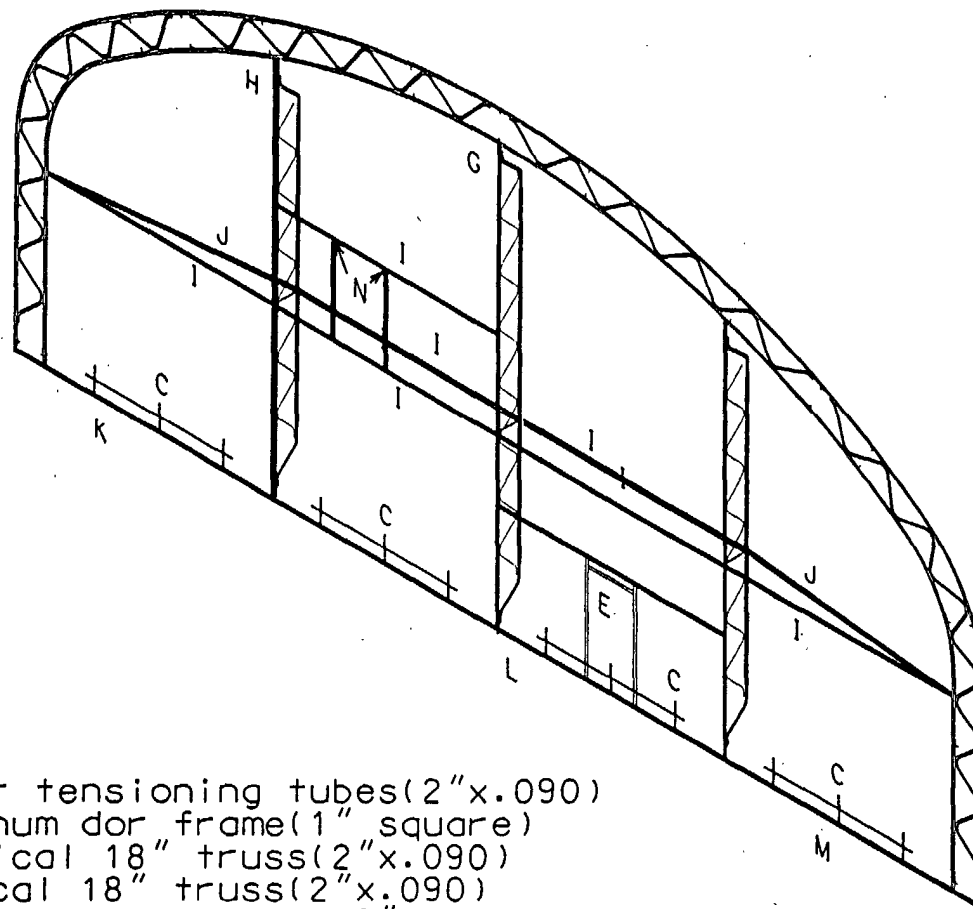
Mercury

60W X80?L X 28H

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C=4ea (cover tensioning tubes (2"x.090)
 E=1ea aluminum dor frame (1" square)
 G= 1ea vertical 18" truss (2"x.090)
 H=2ea vertical 18" truss (2"x.090)
 I= 7ea horizontal braces (2"x.090)
 J=2ea horizontal kicker bars (2"x.090)*
 K= 1 ea baserail (2"x.090)
 L= 1ea baserail (2"x.090)
 M=1ea base rail (2"x.090)
 N= 2 ea vertical fan frame support

SYL00116707

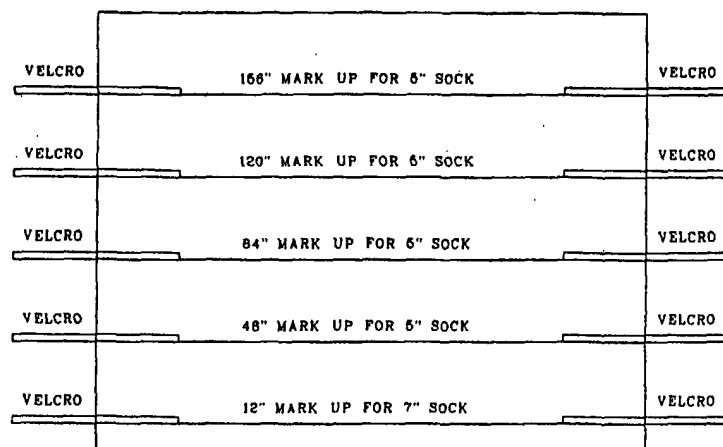
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 DATE: 8/26/02
 VIEW: Truss Dimensions
 REQUESTED BY: GW Pridgeon

Mercury

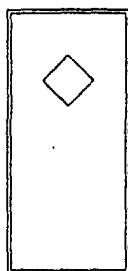


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30WIDE X 16 TAL DISAPPEARING DOOR



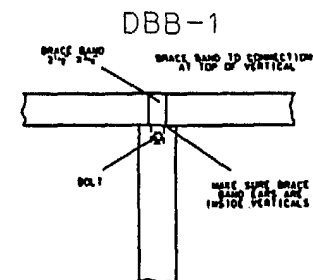
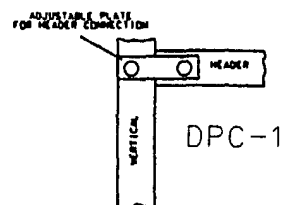
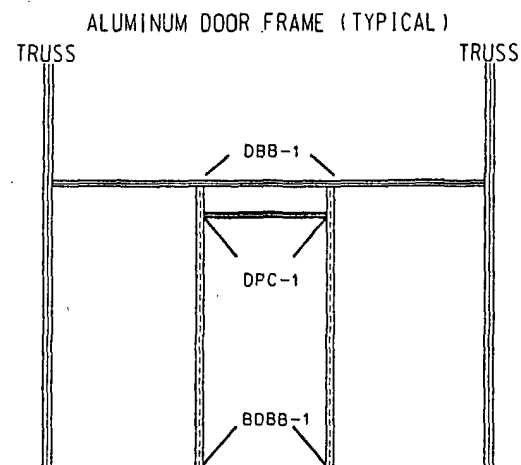
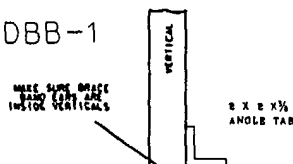
3 x 7
ALUMINUM DOOR



SEE ELIXIR IND.
SERIES 200 LITERATURE

SYL00116708

B0BB-1



PG. 8

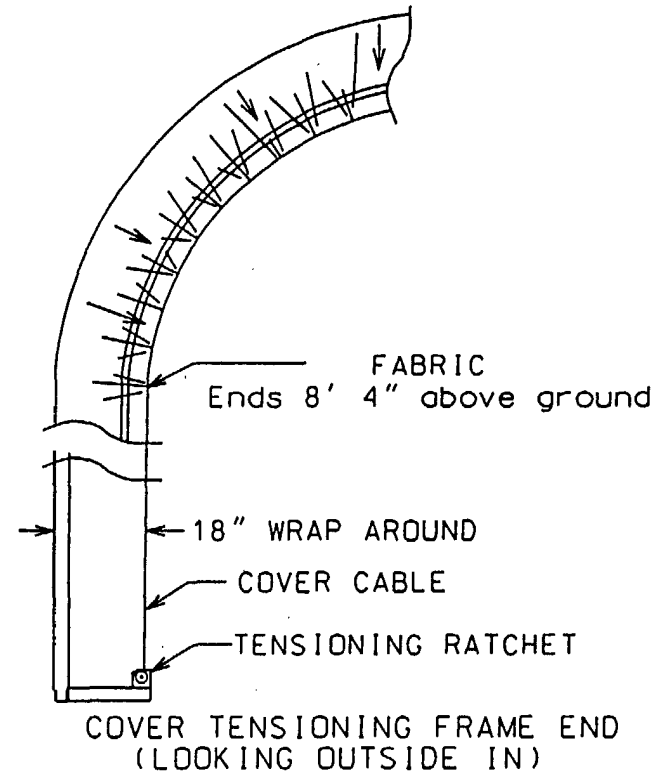
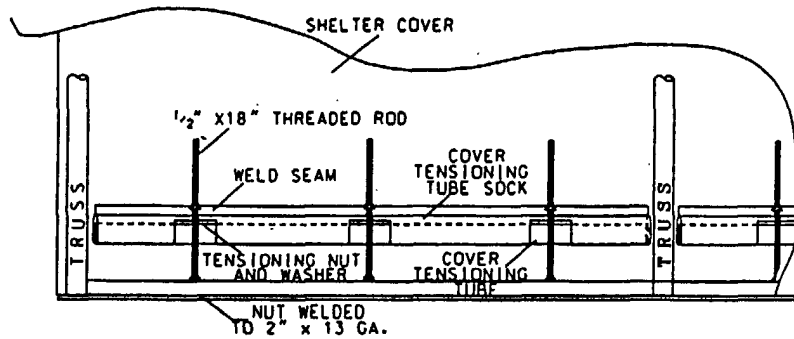
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DATE: 8/26/02
VIEW: cable diagram
REQUESTED BY: GW Pridgeon
CHECKED BY:
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CAD FILE: DAVE/engineering 60x40x29

Mercury
60W X 80L X 28H
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FAX (850)584-7713
E-MAIL: sales@bigtopshelters.com

ALL- THREAD COVER TENSIONING ALONG SIDE
(INSIDE LOOKING OUT)



Designed For South Florida
1999 Dade County Edition

SHELTER SPECIFICATIONS: 60x40x80x28
WIND LOAD: COVER ON 85MPH
FABRIC 31 OZ. WHITE

SYL00116709

DRAWN BY: DAVID ROBERTS
DATE: 8/26/02
VIEW: Truss Dimensions
REQUESTED BY: GW Pridgeon
CHECKED BY:

DRAWING NO: 1
CAD FILE: DAVE/engineering/60x40x29

Mercury

60W X80L X 28H

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E-MAIL:
sales@bigtopshelters.com

LEGAL CASE STATUS SYSTEM

CASE INITIATION FORM

(Please PRINT)

CASE NUMBER 0626PROGRAM Pure Waters 2

CASE NAME:

LEGAL CITATION ECL 17-0813, 17-0511Y A L E I N D U S T R I A L T R U C K S

ADDRESS:

1 4 0 C A N T I A G U E R O C K R O A D

CITY:

ZIP:

H I C K S V I L L E11801COUNTY: Nassau

SWIS CODE

DATE CASE INITIATED: 12 12 79
MO DAY YEARREFERRED BY: Andrew Yerman / by P.B.
Andrew Yerman

DESCRIPTION OF CASE:

Failure to meet compliance schedule -
violation of SPDES permit.
Discharging wastewater in violation of
effluent standards as noted in SPDES permit

ENDORSED BY: Albert Machlin
Albert Machlin

SYL00116962

OTHER COMMENTS:

(J E SCHECTER

P. 156

RESPONDENT PAID \$1,000 FINE 4/29/80

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

. X
In the Matter of the Alleged Violation :
of Article 17 of the Environmental Conser- :
vation Law of the State of New York, by : ORDER ON CONSENT
:
:
YALE INDUSTRIAL TRUCKS :
:
:
FILE NO. 1-0626
(Nassau County) Respondent :
. X

WHEREAS, Section 17-0813 of the Environmental Conservation Law of the State of New York provides for compliance with the a time schedule; and

WHEREAS, Section 17-0511 of the Environmental Conservation Law of the State of New York prohibits the discharge of wastewater in excess of effluent standards; and

WHEREAS, the Department has documented an instance of your failure to meet a compliance schedule and that you discharged wastewater in violation of effluent standards as noted in SPDES (State Pollutant Discharge Elimination System) Permit; and

WHEREAS, Respondent has affirmatively waived its right to a public hearing in this matter in the manner provided by law and having consented to the issuing and entering of this Order, pursuant to the provisions of the Environmental Conservation Law, agrees to be bound by the terms and conditions contained herein.

NOW, having considered this matter and being duly advised, it is

4/29/80
ORDERED, that with respect to the ~~alleged~~ ^{alleged} violations, there is hereby imposed upon Respondent a penalty, in the sum of Two Thousand, Five Hundred (\$2,500) Dollars, One Thousand, Five Hundred (\$1,500) Dollars of which shall be suspended providing Respondent adheres strictly to the terms and conditions of this Consent Order and Schedule A, the compliance schedule attached hereto and made a part hereof; and it is further

ORDERED, that the provisions, terms and conditions of this Order shall be deemed to bind Respondent, its successors and assigns and all persons, firms or corporations acting under or for it, including, but not limited to those who may carry on any or all of the operations now being conducted by Respondent, whether at the present location or at any other in this State; and it is further

ORDERED, that in those instances in which Respondent desires that any of the provisions, terms or conditions of this


SYL00116979

Order be changed, it shall make written application, setting forth the grounds for the relief sought, to the Commissioner, c/c Joan B. Scherb, Regional Attorney, Building 40, State University of New York, Stony Brook, New York 11794; and it is further

ORDERED, that any change in this Order shall not be made or become effective, except as specifically set forth by written order of the Commissioner, such written order being made either upon written application of the Respondent, or upon the Commissioner's own findings.

Dated: Albany, New York
1980

ROBERT F. FLACKE
Commissioner of
Environmental Conservation

By 
DONALD J. MIDDLETON
Regional Director

To: Yale Industrial Trucks
140 Cantiague Rock Road
Hicksville, New York 11801
Att: Mr. Stanley Schoenberg, Controller

CONSENT BY RESPONDENT

SYL00116980

Respondent acknowledges the authority and jurisdiction of the Commissioner of Environmental Conservation of the State of New York to issue the foregoing Order, waives public hearing or other proceedings in this matter, accepts the terms and conditions set forth in the Order and consents to the issuance thereof.

STATE OF NEW YORK)

ss.:

COUNTY OF ~~SUFFOLK~~
MASSACHUSETTS

On the 22nd day of APRIL 1980, before me personally came RAY POTTLE to me known, who being duly sworn deposed and said the he resided at WESTBURY, NY, that he is the GENERAL MANAGER of the Respondent Corporation and that he signed his name for and on behalf of said corporation, with full authority so to do.


NOTARY PUBLIC

CATHY P. STASI

SCHEDULE A

Compliance Schedule
for

YALE INDUSTRIAL TRUCKS

OK On or before ^{May} Apr. 15, 1980

Respondent shall dig out the cess-pool and any area around the cess-pool that may be contaminated.

OK On or before ^{May} Apr. 15, 1980

Respondent shall back fill cess-pool and clean pipe.

SYL00116981

REPORT

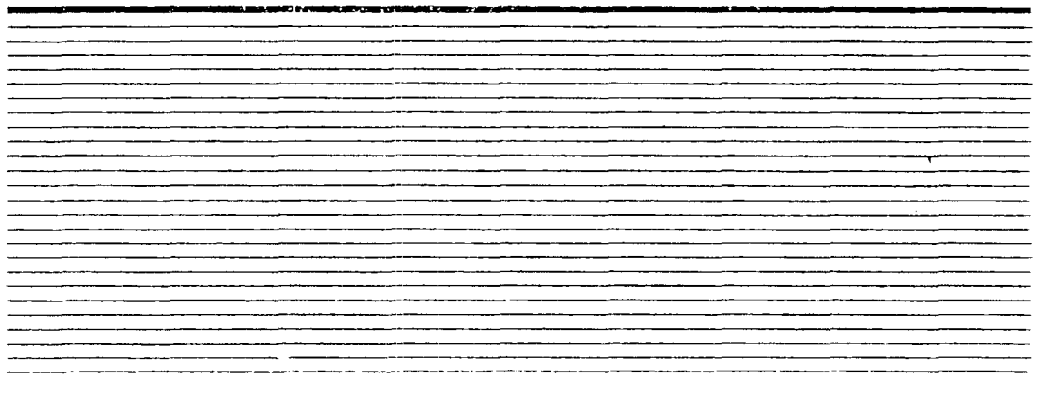
**August 2001 Ground Water Sampling
Former Sylvania Electric
Products, Inc. Facility
Cantiague Rock Road
Hicksville, New York**

GTE Operations Support Incorporated

September 2001



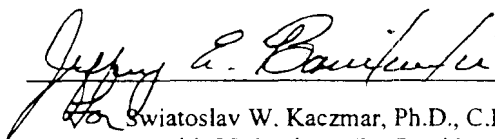
O'BRIEN & GERE
ENGINEERS, INC.



REPORT

August 2001 Ground Water Sampling
Former Sylvania Electric
Products, Inc. Facility
Cantiague Rock Road Hicksville, New York

GTE Operations Support Incorporated


Swiatoslaw W. Kaczmar, Ph.D., C.I.H.

Chief Scientist - Vice President



O'BRIEN & GERE
ENGINEERS, INC.

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August Ground Water Sampling

The August ground water sampling portion of the investigation was directed to the evaluation of on Site ground water quality and ground water flow direction. Ground water sampling activities focused on whether solvents (primarily tetrachloroethene) and radionuclides that may have been related to former production activities were present in ground water underlying the Site.

On July 31 through August 2, 2001, depth to water measurements were collected from the twelve Site monitoring wells (MW-01 through MW-12) and the three remaining upgradient wells at the Nassau County Department of Public Works (NCDPW) (W-24, W-24D, and W-25) to confirm previous results. Ground water samples were collected using low flow sampling techniques. Turbidities for the samples collected were less than 50 NTUs. The samples were submitted to O'Brien & Gere Laboratory, Inc. in Syracuse, New York for analysis of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), total analyte list (TAL) metals, pH, gross alpha/gross beta, technetium-99 (Tc-99), and radionuclides. Field parameters and water elevation data are presented in Table 1. Analytical results are presented as Tables 2 through 6.

Chemical Results

Analytical results indicate that VOCs, primarily tetrachloroethene (PCE) and to a lesser extent trichloroethene (TCE), were present in the water samples. The highest concentrations of PCE were in MW-5 and MW-7, 2,300 µg/l and 2,600 µg/l, respectively. Both MW-5 and MW-7 are water table wells located mid-Site. These concentrations decline considerably prior to reaching the down gradient perimeter wells MW-9 and MW-11 where concentrations of PCE were 45 µg/l and 8 µg/l, respectively. The PCE in MW-5 was not reflected in the deeper adjacent well MW-6. PCE was detected in deep wells, MW-10 (1,500 µg/l) and MW-12 (190 µg/l). Furthermore, MW-8, on the south side of Air Techniques, was the only well where breakdown products of PCE were noted (i.e. trichloroethene, 1,1,1-trichloroethane, 1,1-dichloroethane, and 1,1-dichloroethene) (Table 2). No SVOCs were detected (Table 3).

The twelve water samples collected were analyzed for TAL metals (Table 4). Results indicate low levels of iron, manganese, and sodium in eight of the wells (MW-5 through MW-12). Nickel was detected in one well, MW-01, at 0.200 mg/L.

The sample from MW-11 had a pH of 11.8 (Table 5). This pH did not correspond with the other pH readings throughout the Site, which ranged from (6.6 through 8.8). The basic nature of this sample may be a result of bentonite contamination in the well introduced during well installation. The well will be redeveloped and sampled.

Radionuclide Results

Elevated gross alpha / gross beta readings were observed in MW-2 (Table 5). Readings were 313 pCi/L and 72 pCi/L, respectively. This well is down gradient of an area with above background levels of radionuclides in the soil. No other readings above 10 pCi/l were observed in the samples collected.

Gamma spectrometry data indicate that Th-232 and U-238 were not present in the water samples collected (Table 6). Gamma spectrometry can be used as a confirmation step to evaluate for the presence of uranium and possible interference in the Technetium-99 sample result. High activities of U-238 were not noted in wells containing technetium (MW-5 and MW-7) or in the well containing high gross alpha/gross beta (MW-2).

Technetium-99 results indicate the potential presence of Tc-99 in two of the water samples (MW-5 and MW-7) (Table 7). Both of these wells are water table wells. Tc-99 was not detected in the wells presumed down gradient of MW-5 and MW-7. Additionally, Tc-99 was not detected at depth in the adjacent well MW-6.

Based on the depth to water measurements, the ground water table at the Site is relatively flat. Contouring activities showed a slight southerly component to ground water flow in both the shallow and deeper wells monitored (Figures 1 and 2). MW-9 and MW-10 were not used during the ground water contouring exercises due to anomalies in both the surveyed elevations and ground water gauging information. During the redevelopment of MW-11, MW-9 and MW-10 will be gauged.

The analytical data generated for this investigation were evaluated by O'Brien & Gere using the quality assurance/quality control (QA/QC) criteria and guidance methods established in the project quality assurance project plan (QAPP) Appendix C of the work plan entitled *Monitoring Well Work Plan - Former Sylvania Electric Products, Incorporated Facility Cantiague Rock Road Hicksville, New York*.



Al Ludwig

September 24, 2001

David,

Attached is a copy of the August 2001 Groundwater Sampling Report.

Al

TABLES

Table 1
Field Parameters (August 2001)

Former Sylvania Electric Products Inc. Facility
Hicksville, New York

Date Sampled	Well ID	Well Depth	Top Of Casing Elevation	Top Of PVC Elevation	Depth to Water	Water Elevation	Temperature (°C)	pH	Conductivity	Oxidation Reduction	Dissolved Oxygen	Turbidity (NTUs)	Location
8/1/01	MW-01	77.25	144.23	143.95	70.42	73.53	19	6.27	0.168	222.1	9.22	9.8	Air Techniques
8/2/01	MW-02	77.44	144.35	143.63	70.12	73.51	20.6	6.25	0.458	202.5	8.11	8.32	Air Techniques
8/2/01	MW-03	77.8	142.66	142.37	69	73.37	21.4	5.79	0.143	251.2	7.77	16.1	Air Techniques
8/1/01	MW-04	76.78	142.39	141.98	68.61	73.37	20.9	5.65	0.17	227.1	7.3	40.2	Air Techniques
8/2/01	MW-05	76.32	143.8	143.56	70.06	73.5	18.8	5.34	0.207	267.3	7.52	24.1	Air Techniques
8/1/01	MW-6	129.1	144.01	143.72	70.28	73.44	17.3	8.7	0.557	-38.1	3.92	6.21	Air Techniques
7/31/01	MW-7	79.18	144.57	144.36	70.78	73.58	19.7	6.21	0.216	63.9	2.42	5.45	Magazine Distributors
7/31/01	MW-8	130.25	142.52	142.17	68.81	73.36	17.9	5.93	0.247	113.3	3.5	17.6	Air Techniques
8/1/01	MW-9	82.57	143.16	142.72	--	--	20.1	5.65	0.043	89.5	3.18	10.9	Air Techniques
8/1/01	MW-10	130.55	143.12	142.84	--	--	17.1	5.97	0.128	194.5	3.85	12.9	Air Techniques
8/1/01	MW-11	81	143.2	143.02	69.64	73.38	19.4	11.49	2.492	23.1	6.14	6.41	Air Techniques
7/31/01	MW-12	129.58	143.82	143.55	70.2	73.35	17.4	8.02	0.318	-45.3	4.63	9.62	Air Techniques
--	W-24	87.09	145.9	145.6	71.95	73.65	--	--	--	--	--	--	NC DPW
--	W-24D	128.79	145.84	145.44	71.74	73.7	--	--	--	--	--	--	NC DPW
--	W-25	84.25	146.32	145.97	72.35	73.62	--	--	--	--	--	--	NC DPW
--	W-3*	~ 80	142.48	141.98	--	--	--	--	--	--	--	--	General Instruments
--	W-3D*	~ 113	144.02	--	--	--	--	--	--	--	--	--	General Instruments
--	W-8*	~ 80	142.83	142.61	--	--	--	--	--	--	--	--	General Instruments

Notes:

- * Wells gauged by Stearns & Wheler
- ~ Approximately
- Flow rate was 500 ml/min
- Wells gauged on August 2, 2001
- Data not available



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Table 2
GTE Operations Support Incorporated
Former Sylvania Electric Products Facility - Hicksville, NY
Ground Water
Volatile Organic Compound Data

Compound	Sample ID	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	MW-07	MW-07 Dup	MW-08
	Sample Depth									
	Sample Date	08/01/01	08/02/01	08/02/01	08/01/01	08/02/01	08/01/01	07/31/01	07/31/01	07/31/01
	Property									
	Lab Sample ID	S9809	S9856	S9854	S9806	S9855	S9808	S9747	S9750	S9749
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane		2 U	5 U	1 U	5 U	5 U	0.5 U	0.5 U	100 U	18
1,1,2,2-Tetrachloroethane		2 U	5 U	1 U	5 U	5 U	0.5 U	0.5 U	100 U	0.5 U
1,1,2-Trichloroethane		2 U	5 U	1 U	5 U	5 U	0.5 U	0.5 U	100 U	0.5 U
1,1-Dichloroethane		2 U	5 U	1 U	5 U	5 U	0.5 U	0.3 U	100 U	20
1,1-Dichloroethene		2 U	5 U	1 U	5 U	5 U	0.5 U	0.5 U	100 U	2
1,2-Dichloroethane		2 U	5 U	1 U	5 U	5 U	0.5 U	0.5 U	100 U	0.5 U
1,2-Dichloropropane		2 U	5 U	1 U	5 U	5 U	0.5 U	0.5 U	100 U	0.5 U
2-Butanone (MEK)		50 U	100 U	20 U	100 U	100 U	10 U	10 U	2000 U	10 U
2-Hexanone		25 U	50 U	10 U	50 U	50 U	5 U	5 U	1000 U	5 U
4-Methyl-2-pentanone (MIBK)		25 U	50 U	10 U	50 U	50 U	5 U	5 U	1000 U	5 U
Acetone		50 U	100 U	20 U	100 U	100 U	18 U	10 U	2000 U	10 U
Benzene		2 U	5 U	1 U	7 U	5 U	0.5 U	0.7 U	100 U	0.7 U
Bromodichloromethane		2 U	5 U	1 U	5 U	5 U	0.5 U	0.5 U	100 U	0.5 U
Bromoform		2 U	5 U	1 U	5 U	5 U	0.5 U	0.5 U	100 U	0.5 U
Bromomethane		5 U	10 U	2 U	10 U	10 U	2 U	1 U	200 U	1 U
Carbon disulfide		2 U	5 U	1 U	5 U	5 U	0.5 U	0.5 U	100 U	0.5 U
Carbon tetrachloride		2 U	5 U	1 U	5 U	5 U	0.5 U	0.5 U	100 U	0.5 U
Chlorobenzene		2 U	5 U	1 U	5 U	5 U	0.5 U	0.5 U	100 U	0.5 U
Chloroethane		5 U	10 U	2 U	10 U	10 U	1 U	1 U	200 U	1 U
Chloroform		2 U	5 U	1 U	1 U	5 U	32	0.5 U	100 U	0.5 U
Chloromethane		5 U	10 U	2 U	10 U	10 U	4	1 U	200 U	1 U
Dibromochloromethane		2 U	5 U	1 U	5 U	5 U	0.5 U	0.5 U	100 U	0.5 U
Ethylbenzene		2 U	5 U	1 U	5 U	5 U	0.5 U	0.5 U	100 U	0.5 U
Methylene chloride		10 U	20 U	4 U	2 U	20 U	0.1 U	2 U	20 U	2 U
Styrene		2 U	5 U	1 U	5 U	5 U	0.5 U	0.5 U	100 U	0.5 U
Tetrachloroethene		70	710	57	390	2300	0.5 U	2600	2700	35
Toluene		2 U	5 U	1 U	5 U	5 U	0.5 U	0.5 U	100 U	0.5 U
Trichloroethene		12	25	3	35	15	0.1 U	27	100 U	4
Vinyl chloride		5 U	10 U	2 U	10 U	10 U	1 U	1 U	200 U	1 U
Xylene (total)		2 U	5 U	1 U	5 U	5 U	0.5 U	0.5 U	100 U	0.5 U
cis-1,2-Dichloroethene		2 U	5 U	0.8 U	2 U	1 U	0.5 U	5	100 U	0.5 U
cis-1,3-Dichloropropylene		2 U	5 U	1 U	5 U	5 U	0.5 U	0.5 U	100 U	0.5 U
trans-1,2-Dichloroethene		2 U	5 U	1 U	5 U	5 U	0.5 U	0.5 U	100 U	2
trans-1,3-Dichloropropene		2 U	5 U	1 U	5 U	5 U	0.5 U	0.5 U	100 U	0.5 U
Total VOCs		82	735	60.8	430	2316	38.7	2632.3	2720	81

NOTES: U - not detected, J - estimated value



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Table 2
GTE Operations Support Incorporated
Former Sylvania Electric Products Facility - Hicksville, NY
Ground Water
Volatile Organic Compound Data

Compound	Sample ID Sample Depth Sample Date Property Lab Sample ID Units	MW-09 08/01/01 S9852 ug/L	MW-10 08/01/01 S9853 ug/L	MW-11 08/01/01 S9807 ug/L	MW-12 07/11/01 S9748 ug/L
1,1,1-Trichloroethane		0.5 U	5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane		0.5 U	5 U	0.5 U	0.5 U
1,1,2-Trichloroethane		0.5 U	5 U	0.5 U	0.5 U
1,1-Dichloroethane		0.5 U	5 U	0.5 U	0.5 U
1,1-Dichloroethene		0.5 U	5 U	0.5 U	0.5 U
1,2-Dichloroethane		0.5 U	5 U	0.5 U	0.5 U
1,2-Dichloropropane		0.5 U	5 U	0.5 U	0.5 U
2-Butanone (MEK)		10 U	100 U	10 U	10 U
2-Hexanone		5 U	50 U	5 U	5 U
4-Methyl-2-pentanone (MIBK)		5 U	50 U	5 U	5 U
Acetone		17 U	100 U	37 U	10 U
Benzene		0.5 U	5 U	0.5 U	0.7 U
Bromodichloromethane		0.5 U	5 U	0.5 U	0.5 U
Bromoform		0.5 U	5 U	0.5 U	0.5 U
Bromomethane		1 U	10 U	1 U	1 U
Carbon disulfide		0.5 U	5 U	0.5 U	0.5 U
Carbon tetrachloride		0.5 U	5 U	0.5 U	0.5 U
Chlorobenzene		0.5 U	5 U	0.5 U	0.5 U
Chloroethane		1 U	10 U	1 U	1 U
Chloroform		0.5 U	5 U	0.5 U	7
Chloromethane		1 U	10 U	1 U	1 U
Dibromochloromethane		0.5 U	5 U	0.5 U	0.5 U
Ethylbenzene		0.5 U	5 U	0.5 U	0.5 U
Methylene chloride		2 U	20 U	2 U	2 U
Styrene		0.5 U	5 U	0.5 U	0.5 U
Tetrachloroethene		45	1500	8	190
Toluene		0.5 U	5 U	0.5 U	0.5 U
Trichloroethene		0.1 U	10	0.2 U	9
Vinyl chloride		1 U	10 U	1 U	1 U
Xylene (total)		0.5 U	5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene		0.5 U	5 U	0.5 U	3
cis-1,3-Dichloropropylene		0.5 U	5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene		0.5 U	5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene		0.5 U	5 U	0.5 U	0.5 U
Total VOCs		45.1	1510	8.2	209

NOTES: U - not detected, J - estimated value



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Table 3
GTE Operations Support Incorporated
Former Sylvania Electric Products Facility - Hicksville, NY
Ground Water
Semivolatile Organic Compound Data

	Sample ID	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	MW-07	MW-07 Dup	MW-08
	Sample Depth									
	Sample Date	08/01/01	08/02/01	08/02/01	08/01/01	08/02/01	08/01/01	07/31/01	07/31/01	07/31/01
	Property									
	Lab Sample ID	S9809	S9856	S9854	S9806	S9855	S9808	S9747	S9750	S9749
Compound	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,2,4-Trichlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroisopropyl) ether		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol		51 U	51 U	51 U	51 U	51 U	51 U	51 U	51 U	52 U
2,4,6-Trichlorophenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol		51 U	51 U	51 U	51 U	51 U	51 U	51 U	51 U	52 U
2,4-Dinitrotoluene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline		51 U	51 U	51 U	51 U	51 U	51 U	51 U	51 U	52 U
2-Nitrophenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	21 U
3-Nitroaniline		51 U	51 U	51 U	51 U	51 U	51 U	51 U	51 U	52 U
4,6-Dinitro-2-methylphenol		51 U	51 U	51 U	51 U	51 U	51 U	51 U	51 U	52 U
4-Bromophenyl phenyl ether		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline		51 U	51 U	51 U	51 U	51 U	51 U	51 U	51 U	52 U
4-Nitrophenol		51 U	51 U	51 U	51 U	51 U	51 U	51 U	51 U	52 U
Acenaphthene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(ghi)perylene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value



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Table 3
GTE Operations Support Incorporated
Former Sylvania Electric Products Facility - Hicksville, NY
Ground Water
Semivolatile Organic Compound Data

	Sample ID	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	MW-07	MW-07 Dup	MW-08
	Sample Depth									
	Sample Date	08/01/01	08/02/01	08/02/01	08/01/01	08/02/01	08/01/01	07/31/01	07/31/01	07/31/01
	Property									
	Lab Sample ID	S9809	S9816	S9814	S9806	S9855	S9808	S9747	S9750	S9749
Compound	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Benzo(k)fluoranthene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butyl benzyl phthalate		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butyl phthalate		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl phthalate		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodipropylamine		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol		51 U	51 U	51 U	51 U	51 U	51 U	51 U	51 U	52 U
Phenanthrene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethoxy)methane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethyl)ether		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-ethylhexyl)phthalate (BEHP)		1 J	9 J	3 J	10 U	29	1 J	10 U	1 J	3 J

NOTES: U - not detected, J - estimated value



O'BRIEN & GERE
ENGINEERS, INC.

Table 3
GTE Operations Support Incorporated
Former Sylvania Electric Products Facility - Hicksville, NY
Ground Water
Semivolatile Organic Compound Data

Compound	Sample ID Sample Depth Sample Date Property Lab Sample ID Units	MW-09 08/01/01 S9852 ug/L	MW-10 08/01/01 S9853 ug/L	MW-11 08/01/01 S9807 ug/L	MW-12 07/31/01 S9748 ug/L
1,2,4-Trichlorobenzene		10 U	10 U	10 U	10 U
1,2-Dichlorobenzene		10 U	10 U	10 U	10 U
1,3-Dichlorobenzene		10 U	10 U	10 U	10 U
1,4-Dichlorobenzene		10 U	10 U	10 U	10 U
Bis(2-chloroisopropyl) ether		10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol		51 U	51 U	51 U	51 U
2,4,6-Trichlorophenol		10 U	10 U	10 U	10 U
2,4-Dichlorophenol		10 U	10 U	10 U	10 U
2,4-Dimethylphenol		10 U	10 U	10 U	10 U
2,4-Dinitrophenol		51 U	51 U	51 U	51 U
2,4-Dinitrotoluene		10 U	10 U	10 U	10 U
2,6-Dinitrotoluene		10 U	10 U	10 U	10 U
2-Chloronaphthalene		10 U	10 U	10 U	10 U
2-Chlorophenol		10 U	10 U	10 U	10 U
2-Methylnaphthalene		10 U	10 U	10 U	10 U
2-Methylphenol		10 U	10 U	10 U	10 U
2-Nitroaniline		51 U	51 U	51 U	51 U
2-Nitrophenol		10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine		20 U	20 U	20 U	20 U
3-Nitroaniline		51 U	51 U	51 U	51 U
4,6-Dinitro-2-methylphenol		51 U	51 U	51 U	51 U
4-Bromophenyl phenyl ether		10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol		10 U	10 U	10 U	10 U
4-Chloroaniline		10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether		10 U	10 U	10 U	10 U
4-Methylphenol		10 U	10 U	10 U	10 U
4-Nitroaniline		51 U	51 U	51 U	51 U
4-Nitrophenol		51 U	51 U	51 U	51 U
Acenaphthene		10 U	10 U	10 U	10 U
Acenaphthylene		10 U	10 U	10 U	10 U
Anthracene		10 U	10 U	10 U	10 U
Benzo(a)anthracene		10 U	10 U	10 U	10 U
Benzo(a)pyrene		10 U	10 U	10 U	10 U
Benzo(b)fluoranthene		10 U	10 U	10 U	10 U
Benzo(ghi)perylene		10 U	10 U	10 U	10 U

NOTES: U - not detected, J - estimated value



O'BRIEN & GERE
ENGINEERS, INC.

Table 3
GTE Operations Support Incorporated
Former Sylvania Electric Products Facility - Hicksville, NY
Ground Water
Semivolatile Organic Compound Data

	Sample ID	MW-09	MW-10	MW-11	MW-12
	Sample Depth				
	Sample Date	08/01/01	08/01/01	08/01/01	07/11/01
	Property				
	Lab Sample ID	S9852	S9853	S9807	S9748
Compound	Units	ug/L	ug/L	ug/L	ug/L
Benzo(k)fluoranthene		10 U	10 U	10 U	10 U
Butyl benzyl phthalate		10 U	10 U	10 U	10 U
Carbazole		10 U	10 U	10 U	10 U
Chrysene		10 U	10 U	10 U	10 U
Di-n-butyl phthalate		10 U	10 U	10 U	10 U
Di-n-octyl phthalate		10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene		10 U	10 U	10 U	10 U
Dibenzofuran		10 U	10 U	10 U	10 U
Diethyl phthalate		10 U	10 U	10 U	10 U
Dimethyl phthalate		10 U	10 U	10 U	10 U
Fluoranthene		10 U	10 U	10 U	10 U
Fluorene		10 U	10 U	10 U	10 U
Hexachlorobenzene		10 U	10 U	10 U	10 U
Hexachlorobutadiene		10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene		10 U	10 U	10 U	10 U
Hexachloroethane		10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		10 U	10 U	10 U	10 U
Isophorone		10 U	10 U	10 U	10 U
N-Nitrosodipropylamine		10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine		10 U	10 U	10 U	10 U
Naphthalene		10 U	10 U	10 U	10 U
Nitrobenzene		10 U	10 U	10 U	10 U
Pentachlorophenol		51 U	51 U	51 U	51 U
Phenanthrene		10 U	10 U	10 U	10 U
Phenol		10 U	10 U	10 U	10 U
Pyrene		10 U	10 U	10 U	10 U
Bis(2-chloroethoxy)methane		10 U	10 U	10 U	10 U
Bis(2-chloroethyl)ether		10 U	10 U	10 U	10 U
Bis(2-ethylhexyl)phthalate (DEHP)		13	13	13	10 U
NOTES: U - not detected, J - estimated value					



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Table 4
GTE Operations Support Incorporated
Former Sylvania Electric Products Facility - Hicksville, NY
Ground Water
Metals

Compound	Sample ID Sample Depth Sample Date Property Lab Sample ID Units	MW-01 mg/L	MW-02 mg/L	MW-03 mg/L	MW-04 mg/L	MW-05 mg/L	MW-06 mg/L	MW-07 mg/L	MW-07 Dup mg/L	MW-08 mg/L
Aluminum	08/01/01 08/02/01 08/01/01 08/02/01 08/01/01 08/02/01 08/01/01 07/11/01 07/11/01 07/11/01	0.0425 J	0.112	0.293	0.261	0.0518 J	0.0576 J	0.0117 UJ	0.0068 UJ	0.0687 J
Antimony		0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U
Arsenic		0.0016 U	0.0016 U	0.0029 J	0.0024 J	0.0016 U	0.0016 U	0.0016 U	0.0016 U	0.0016 U
Barium		0.0112 J	0.0102 J	0.0147 J	0.0120 J	0.0037 J	0.0202 J	0.120	0.114	0.0199 J
Beryllium		0.000076 U	0.00011 J	0.000080 J	0.000076 U	0.000076 U	0.000076 U	0.000090 J	0.000076 U	0.000076 U
Cadmium		0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U	0.00024 U
Calcium		9.99	61.4	8.31	12.6	13.9	19.7	10.3	9.86	23.1
Chromium		0.0046 J	0.0052 J	0.0037 J	0.0067 J	0.0061 J	0.0052 J	0.0025 J	0.0022 J	0.0070 J
Cobalt		0.00093 U	0.00093 U	0.0010 J	0.0058 J	0.0024 J	0.0021 J	0.0039 J	0.0032 J	0.0033 J
Copper		0.0010 J	0.0013 J	0.00078 J	0.0107	0.00051 J	0.00049 U	0.00061 J	0.00049 U	0.0014 J
Iron		0.0561	0.100	0.103	0.130	0.0863	0.119	1.62	1.55	1.35
Lead		0.0014 UJ	0.0011 UJ	0.00066 U	0.0011 UJ	0.00066 U	0.00066 U	0.0012 UJ	0.00066 U	0.00072 UJ
Magnesium		1.71	5.30	1.67	3.12	1.28	4.03	1.54	1.47	4.67
Manganese		0.0024 UJ	0.0035 UJ	0.0049 UJ	0.0045 UJ	0.0120 J	0.927	0.755	0.700	0.0850
Mercury		0.00018 UJ	0.00018 UJ	0.00018 UJ	0.00018 UJ	0.00018 UJ	0.00018 UJ	0.00018 UJ	0.00018 UJ	0.00018 UJ
Nickel		0.200	0.0487 J	0.0082 J	0.0244 J	0.0284 J	0.0094 J	0.0038 J	0.0031 J	0.0092 J
Potassium		1.21 J	4.25 J	1.69 J	1.79 J	3.82 J	4.37 J	1.45 J	1.39 J	0.732 J
Selenium		0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Silver		0.00073 U	0.0014 J	0.00073 U	0.00073 U	0.00073 U	0.00080 J	0.00073 U	0.00073 U	0.0011 J
Sodium		18.6 J	18.0 J	15.4 J	13.7 J	21.1 J	84.1 J	28.5 J	26.9 J	17.9 J
Thallium		0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0036 U
Vanadium		0.00039 U	0.0026 J	0.0028 J	0.0035 J	0.00054 J	0.0012 J	0.00039 U	0.00039 U	0.00082 J
Zinc		0.0115	0.0014 J	0.0034 J	0.0674	0.00097 U	0.00097 U	0.0041 J	0.0028 J	0.0035 J

NOTES: U - not detected, J - estimated value



O'BRIEN & GERE
ENGINEERS, INC.

Table 4
GTE Operations Support Incorporated
Former Sylvania Electric Products Facility - Hicksville, NY
Ground Water
Metals

Compound	Sample ID Sample Depth Sample Date Property Lab Sample ID Units	MW-09 mg/L	MW-10 mg/L	MW-11 mg/L	MW-12 mg/L
Aluminum	08/01/01	0.0810 J	0.0801 J	0.615	0.101
Antimony	08/01/01	0.0014 U	0.0014 U	0.0014 U	0.0014 U
Arsenic	08/01/01	0.0016 U	0.0016 U	0.0016 J	0.0016 U
Barium	08/01/01	0.0310 J	0.0333 J	0.185	0.0214 J
Beryllium	08/01/01	0.000076 U	0.000080 J	0.000076 U	0.000076 U
Cadmium	08/01/01	0.00024 U	0.00033 J	0.00024 U	0.00024 U
Calcium	08/01/01	3.71	8.13	167	21.7
Chromium	08/01/01	0.0029 J	0.0019 J	0.0062 J	0.0216
Cobalt	08/01/01	0.0190 J	0.0332 J	0.00093 U	0.00093 U
Copper	08/01/01	0.00049 U	0.0016 J	0.0049 J	0.00049 J
Iron	08/01/01	1.42	0.397	0.105	0.255
Lead	08/01/01	0.00071 UJ	0.0010 UJ	0.00066 U	0.00072 UJ
Magnesium	08/01/01	0.568 J	1.05	0.392 J	4.39
Manganese	08/01/01	1.41	1.31	0.0556	0.273
Mercury	08/01/01	0.00018 UJ	0.00018 UJ	0.00018 UJ	0.00018 UJ
Nickel	08/01/01	0.0059 J	0.0226 J	0.0078 J	0.0028 J
Potassium	08/01/01	0.899 J	1.31 J	15.3	4.39 J
Selenium	08/01/01	0.0018 U	0.0018 U	0.0018 U	0.0018 U
Silver	08/01/01	0.00073 U	0.00073 U	0.00073 U	0.00073 U
Sodium	08/01/01	1.51 J	9.74 J	36.8 J	50.1 J
Thallium	08/01/01	0.0036 U	0.0036 U	0.0036 U	0.0036 U
Vanadium	08/01/01	0.00039 U	0.00039 U	0.0015 J	0.00039 U
Zinc	08/01/01	0.0123	0.0196	0.00097 U	0.0015 J

NOTES: U - not detected, J - estimated value



O'BRIEN & GERE
ENGINEERS, INC.

Table 5
GTE Operations Support Incorporated
Former Sylvania Electric Products Facility - Hicksville, NY
Ground Water
Gross Alpha/Beta Data

	Sample ID	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	MW-07	MW-07 Dup	MW-08
	Sample Depth									
	Sample Date	08/01/01	08/02/01	08/02/01	08/01/01	08/02/01	08/01/01	07/31/01	07/31/01	07/31/01
	Property									
	Lab Sample ID	S9809	S9850	S9854	S9806	S9855	S9808	S9747	S9750	S9749
Compound	Units	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
Gross Alpha		2.291 BU	313.263	0.541 BU	1.007 BU	1.436 BU	2.014 BU	1.09 BU	1.802 BU	1.656 BU
Gross Beta		1.237 BU	72.378	0.635 BU	1.088 BU	1.514 BU	2.852	0.67 BU	1.119 BU	0.796 BU
pH		7.3	8.2	7.6	7.8	7.8	8.8	7.1	7.3	6.8



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Table 6
GTE Operations Support Incorporated
Former Sylvania Electric Products Facility - Hicksville, NY
Ground Water
Gamma Spectroscopy Data

Sample ID	MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	MW-07	MW-07 Dup	MW-08
Sample Depth									
Sample Date	08/01/01	08/02/01	08/02/01	08/01/01	08/02/01	08/01/01	07/11/01	07/11/01	07/11/01
Property									
Lab Sample ID	S9809	S9856	S9854	S9806	S9855	S9808	S9747	S9750	S9749
Units	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
Compound									
Actinium-228	20.19 U	29.39 U	20.45 U	6.021 U	8.47 U	17.17 U	19.09 U	23.18 U	1.651 U
Bismuth-211	0.5647 BUJI	-21.67 U	50.77 BUJI	48.97 BUJI	4.143 U	-5.304 U	29.93 U	37.31 U	29.83 U
Bismuth-212	-10.88 U	4.804 U	55.5 U	-12.73 U	57.38 U	-7.567 U	1.9 U	-77.71 U	-5.596 U
Bismuth-214	10.14 U	-2.289 U	20.82 U	-1.224 U	-2.824 U	10.49 U	1.729 U	-11.91 U	23.9 U
Cesium-137	2.219 U	3.472 U	-0.06497 U	-7.796 U	-1.1614 U	-3.642 U	1.549 U	-1.587 U	-1.1918 U
Francium-223	-13.45 U	4.965 U	-18.46 U	-13.98 U	-3.203 U	-2.453 U	-0.0721 U	3.809 U	-16.63 U
Lead-210	56.07 U	-19.29 U	163.6 U	34.55 U	-17.83 U	-29.82 U	-49.27 U	-45.71 U	-644 U
Lead-211	16.26 U	-70.63 U	-22.22 U	13.95 U	56.9 U	40.46 U	-42.45 U	48.42 U	56.99 U
Lead-212	5.261 U	15.73 U	2.515 U	-3.248 U	8.737 U	11.23 U	16.7 U	26.21 U	1.488 U
Lead-214	0.1942 U	-2.207 U	17.47 U	16.85 U	0.826 U	0.3105 U	12.07 U	13.18 U	8.542 U
Potassium-40	33.72 BUJI	75.58 BUJI	-21.7 U	-23.88 U	48.75 BUJI	69.3 BUJI	6.537 BUJI	307.5 U	35.68 BUJI
Protactinium-231	11.68 U	182.6 U	93.3 U	122.8 U	-113.2 U	-250.3 U	156.4 U	-250.7 U	7.671 U
Protactinium-234	-11.48 U	9.61 U	33.66 U	-5.617 U	-7.716 U	-48.26 U	97 U	29.85 U	-2.879 U
Protactinium-234m	24.35 U	-152.2 U	307.6 U	292.5 BUJI	268.2 U	171.2 U	96 U	-9.812 U	-156.8 U
Radium-223	2.281 U	-13.79 U	8.47 U	-1.495 U	-4.94 U	-28.58 U	-11.3 U	26.34 U	-19.23 U
Radium-224	-67.28 U	295 U	92.42 BUJI	-103.7 U	157.8 U	97.94 U	155.2 U	187.3 U	-26.06 U
Radium-226	-30.25 U	450.2 BUJI	39.39 BUJI	6.793 BUJI	5.202 U	-11.96 U	81.16 U	79.44 U	89.94 U
Thallium-208	-124 U	6.107 U	-4.116 U	2.417 U	7.017 U	11.18 U	11.11 U	-1.564 U	4.918 U
Thorium-227	16.25 U	17.09 U	-3.535 U	-30.6 U	16.28 U	40.38 U	40.06 U	30.58 U	0.4177 U
Thorium-231	-24.75 U	26.88 U	-83.66 U	-20.8 U	-122 U	-11.42 U	-132.1 U	-80.26 U	-38.91 U
Thorium-234	-19.96 U	227.9 U	-60.36 U	-51.82 U	95.52 U	135.7 U	139.2 U	168.9 U	451 U
Uranium-235	-10.37 U	27.98 U	-10.77 U	14.1 U	40.26 U	37.39 U	4.606 U	-8.554 U	8.393 U

NOTES: U - not detected, J - estimated value
BU - blank contaminated, JI - gamma spectroscopy interference

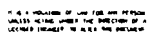


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Table 6
GTE Operations Support Incorporated
Former Sylvania Electric Products Facility - Hicksville, NY
Ground Water
Gamma Spectroscopy Data

	Sample ID	MW-09	MW-10	MW-11	MW-12
	Sample Depth				
	Sample Date	08/01/01	08/01/01	08/01/01	07/11/01
	Property				
	Lab Sample ID	S9852	S9853	S9807	S9748
	Units	pCi/L	pCi/L	pCi/L	pCi/L
Compound					
Actinium-228		24.41 U	-4.944 U	17.22 U	30.67 U
Bismuth-211		28.39 U	-4.822 U	65.35 U	2.576 U
Bismuth-212		-12.18 U	51.36 U	-1.274 U	-29.07 U
Bismuth-214		6.506 U	-13.22 U	6.167 U	0.6927 U
Cesium-137		0.2729 U	3.262 U	-647 U	-3.899 U
Francium-223		32.31 U	-3.835 U	0.7463 U	2.814 U
Lead-210		-1500 U	-9.404 U	90.89 U	-121.6 U
Lead-211		-8.65 U	21.43 U	-24.63 U	10.64 U
Lead-212		5.953 U	21.49 U	-4.403 U	-4.734 U
Lead-214		6.076 U	5.843 U	24.39 U	0.1161 U
Potassium-40		27.21 BUJI	53.38 BUJI	17.53 U	-33.97 U
Protactinium-231		-26.01 U	115.8 U	-16.71 U	-8.842 U
Protactinium-234		-25.4 U	31.41 U	-37.69 U	-11.41 U
Protactinium-234m		441.4 U	167.5 U	-42.86 U	349.3 U
Radium-223		1.225 U	-12.4 U	1.573 U	5.836 U
Radium-224		9.995 U	154.3 U	-26.37 U	-73.09 U
Radium-226		137.8 U	-1.19 U	66.5 U	-60.12 U
Thallium-208		4.766 U	2.324 U	7.469 U	2.242 BUJI
Thorium-227		18.5 U	68.91 U	-5.639 U	-36.9 U
Thorium-231		-41.08 U	-52.98 U	-29.94 U	-13.22 U
Thorium-234		206.5 U	181.9 U	51.72 U	-99.83 U
Uranium-235		0.2557 U	-11.86 U	9.895 U	0.7663 U
NOTES: U - not detected, J - estimated value					
BU - blank contaminated, JI - gamma spectroscopy interference					

FIGURES



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DRAWN BY	



1. The first part of the document is a letter from the President of the United States to the Congress, dated January 3, 1862. It is a very long letter, and it contains a great deal of information about the state of the country at that time. It is a very important document, and it is one of the most interesting letters that I have ever read.

[illegible]

GTE OPERATIONS SUPPORT INCORPORATED
FORMER SYLVANIA ELECTRIC PRODUCTS
INCORPORATED FACILITY
HICKSVILLE, NEW YORK

GROUND WATER FLOW
(AUGUST 2001- SHALLOW)

101 101	5816 004 810
101 101	5.1 P1 2001

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8/15/01 DWS/CR

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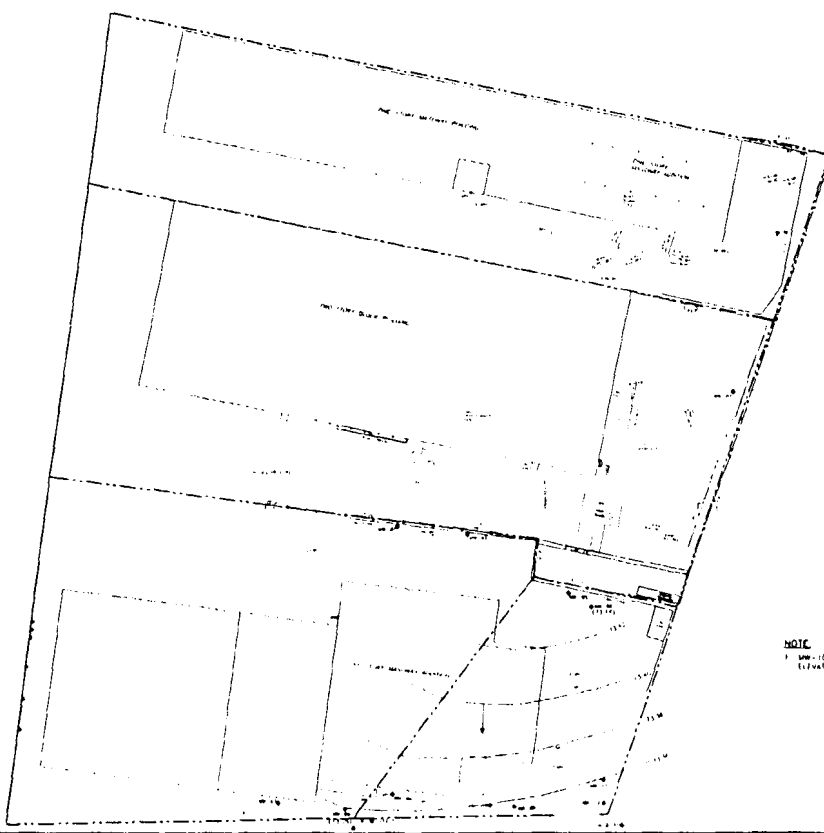
NO.	DATE	REVISION



GTE OPERATIONS SUPPORT INCORPORATED
FORMER SYLVANIA ELECTRIC PRODUCTS
INCORPORATED FACILITY
HICKSVILLE, NEW YORK

GROUND WATER FLOW
(AUGUST 2001- DEEP)

DATE
2016 009 810
14-1
SEPT 2001



NOTE:
1. SWS-10 WAS NOT USED IN THE GROUND WATER CONTINUING FLOW
ELEVATION DATA WAS NOT AVAILABLE

Toxics Targeting Computerized Environmental Report

**Reported Hazardous Substance Sites
1/2-1 Mile NW
Hicksville, NY 11801**

April 07, 2003

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PLEASE REFER TO PAGES ONE AND FOUR FOR A DESCRIPTION OF SOME OF THE LIMITATIONS OF THIS COMPUTERIZED ENVIRONMENTAL REPORT.

Toxic Site Databases Analyzed In Your Report

Search Radius

Up to 2-Miles



1) *New York Inactive Hazardous Waste Disposal Site Registry*: a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

Up to 2-Miles



2) *CERCLIS* (Comprehensive Environmental Response, Compensation and Liability Information System): a federal listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

Up to 2-Miles



3) *National Priority List for Federal Superfund Cleanup*: a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

Up to 2-Miles



4) *New York Hazardous Substance Disposal Site Draft Study*: a state listing of sites contaminated with toxic substances that can pose environmental or public health hazards. These sites are not eligible for state clean up funding programs.

Up to 2-Miles



5) *New York Solid Waste Facilities Registry, including New York City 1934 Sites*: active and inactive landfills, incinerators, transfer stations or other solid waste management facilities.

Up to 2-Miles



6) *New York State Major Oil Storage Facilities*: sites with more than a 400,000 gallon capacity for storing petroleum products.

Up to 2-Miles



7) *New York and Federal Hazardous Waste Treatment, Storage or Disposal Facilities*: sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRIS). Also includes the following databases:

- *RCRA violations*: waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.
- *RCRIS corrective action activity (CORRACTS)*: waste facilities with RCRIS corrective action activity reported by the USEPA.

Up to 2-Miles



8) *New York and Local Petroleum Bulk Storage Facilities*: sites with more than an 1,100 gallon capacity for storing petroleum products.

Up to 2-Miles



9) ***New York and Federal Hazardous Waste Generators and Transporters:*** sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRA). Also includes the following databases:

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act .
- ***RCRIS corrective action activity (CORRACTS):*** waste facilities with RCRIS corrective action activity reported by the USEPA.

Up to 2-Miles



10) ***New York Chemical Bulk Storage Facilities:*** Sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

Up to 2-Miles



11) ***New York Toxic Release Inventory Facilities:*** discharges of selected toxic chemicals to air, land, water or treatment facilities.

Up to 2-Miles



12) ***Federal Civil Enforcement Docket:*** civil judiciary cases filed on behalf of the U. S. Environmental Protection Agency by the Department of Justice.

Limitations Of The Information In Your Report

The information presented in your *Computerized Environmental Report* has been obtained from various local, state and federal government agencies. Please be aware that: 1) additional information on individual sites may be available, 2) newly discovered sites are continually reported and 3) all map locations are approximate. As a result, this report is intended to be the FIRST STEP in the process of identifying and evaluating possible environmental threats to specific properties and can only serve as a guide for conducting on-site visits or additional, more detailed toxic hazard research.

Toxics Targeting tries to ensure that the information in your report is presented accurately and with minimal alteration. The only systematic changes that are made correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Please be aware of some other limitations of the information in your report:

- The computerized map used by *Toxics Targeting* is the same one used by the U. S. Census. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated on the Census map. FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;
- UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 12 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;
- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in zip code areas within one mile of the target address as well as toxic sites without zip codes reported in the same county. IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT *TOXICS TARGETING* AND REFER TO THE SITE ID NUMBER.
- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere. YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;
- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.
- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.

Section One:

Report Summary

- *Table One: Number of Identified Toxic Sites By Distance Interval*
- *Table Two: Identified Toxic Sites Ranked By Proximity*
- *Table Three: Identified Toxic Sites By Category*
- *Map One: Project Overview Map*
- *Map Two: Site Map*

NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

Database Searched	0 - 100 ft	100 ft - 1/8 mi	1/8 mi - 1/4 mi	1/4 mi - 1/2 mi	1/2 mi - 1 mi	Site(s) Category Totals
NYS Inactive Hazardous Waste Disposal Sites	Not searched	Not searched	Not searched	Not searched	0	0
CERCLIS Sites	Not searched	Not searched	Not searched	Not searched	2	2
National Priority List Sites	Not searched	Not searched	Not searched	Not searched	0	0
Hazardous Substance Waste Disposal Sites	Not searched	Not searched	Not searched	Not searched	2	2
NYS Solid Waste Facilities	Not searched	Not searched	Not searched	Not searched	1	1
NYS Major Oil Storage Facilities	Not searched	Not searched	Not searched	Not searched	0	0
RCRA Hazardous Waste Treatment, Storage, Disposal Sites	Not searched	Not searched	Not searched	Not searched	1	1
Local & State Petroleum Bulk Storage Sites	Not searched	Not searched	Not searched	Not searched	30	30
RCRA Hazardous Waste Generators & Transporters	Not searched	Not searched	Not searched	Not searched	36	36
NYS Chemical Bulk Storage Sites	Not searched	Not searched	Not searched	Not searched	2	2
Toxic Release Inventory Sites (TRI)	Not searched	Not searched	Not searched	Not searched	1	1
Civil Enforcement Docket Facilities	Not searched	Not searched	Not searched	Not searched	0	0
Distance Interval Totals	Not searched	Not searched	Not searched	Not searched	75	75

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Identified Toxic Sites by Proximity

Hazardous Substance - 1/2-1 Mile NW, Hicksville, NY 11801

* Compass directions can vary substantially for sites located very close to the subject property address.

Map Id#	Site Name	Site Street	Approximate Distance From Property	Toxic Site Category
7	SPRAGUE-GOODMAN ELEC. INC	1700 SHAMES DRIVE	2650 feet to the NW	Petroleum Bulk Storage Site
37	SLANTCO MANUFACTURING COMPANY	1500 SHAMES DRIVE	2678 feet to the NW	Hazardous Waste Generator/Transporter
8	SLANTCO MANUFACTURING	1500 SHAMES DR.	2682 feet to the NW	Petroleum Bulk Storage Site
75	JOHN HASSALL, INC.	609-1 CANTIAGUE ROCK	2755 feet to the NNW	Toxic Release Inventory Site
38	ENERAC	1300 SHAMES AVE	2767 feet to the NW	Hazardous Waste Generator/Transporter
9	JOHN HASSALL INC.	609-1 CANTIAGUE ROCK RD.	2799 feet to the NNW	Petroleum Bulk Storage Site
39	JOHN HASSALL INC	CANTIAGUE ROCK ROAD	2799 feet to the NNW	Hazardous Waste Generator/Transporter
40	NORTH BRIDGE HASSALL INC	CANTIAGUE ROCK RD	2799 feet to the NNW	Hazardous Waste Generator/Transporter
3	JOHN HASSALL	CANTIAGUE ROCK ROAD	2802 feet to the NNW	Hazardous Substance Waste Disposal Site
1	JOHN HASSALL	CONTIAGUE ROCK RD	2804 feet to the NNW	CERCLIS Site
41	MATH ASSOCIATES	2200 SHAMES DRIVE	2814 feet to the NW	Hazardous Waste Generator/Transporter
42	PIONEER CORP	2000 SHAMES DR	2830 feet to the NW	Hazardous Waste Generator/Transporter
43	AIRCRAFT TURBINE SERVICE DIV AIRWORK	1100 SHAMES DRIVE	2852 feet to the NW	Hazardous Waste Generator/Transporter
44	COLLEGE HOUSE	601 CANTIAGUE ROAD	2883 feet to the NNW	Hazardous Waste Generator/Transporter
45	KEMP METAL PRODUCTS	2300 SHAMES DRIVE	2935 feet to the NNW	Hazardous Waste Generator/Transporter
46	BERCO INDUSTRIES CORP	1250 SHAMES DR	3113 feet to the NNW	Hazardous Waste Generator/Transporter
4	BRINKMANN INSTRUMENTS INC.	CANTIAGUE ROCK ROAD	3156 feet to the NNW	Hazardous Substance Waste Disposal Site
10	BRINKMAN INSTRUMENTS INC.	1 CANTIAGUE ROCK RD.	3158 feet to the NNW	Petroleum Bulk Storage Site
47	BRINKMAN INSTRUMENT	CANTIAGUE ROAD	3159 feet to the NNW	Hazardous Waste Generator/Transporter
2	BRINKMAN INSTRUMENTS	CANTIAGUE ROCK ROAD	3162 feet to the NNW	CERCLIS Site
11	SMITH, RICHARD C.	200 MADISON PL	3189 feet to the N	Petroleum Bulk Storage Site
48	COMPUTER INSTRUMENT CORPORATION	1000 SHAMES DRIVE	3335 feet to the NNW	Hazardous Waste Generator/Transporter
12	WESTBURY ALLOYS CORP.	750 SHAMES DR.	3353 feet to the NW	Petroleum Bulk Storage Site
13	WESTBURY ALLOYS, LLC	750 SHAMES DR.	3353 feet to the NW	Petroleum Bulk Storage Site
49	WESTBURY ALLOYS CORP	750 SHAMES DR	3355 feet to the NW	Hazardous Waste Generator/Transporter
50	JERICHO WATER DISTRICT	CANTIAGUE ROCK RDSARATOGA DR	3360 feet to the NNW	Hazardous Waste Generator/Transporter
73	WELL #15	SARATOGA DRIVE AND	3360 feet to the NNW	Chemical Bulk Storage Facility
5	WESTBURY ALLOYS CORP		3370 feet to the NW	Solid Waste Facility
74	WESTBURY ALLOYS	750 SHAMES DR.	3373 feet to the NW	Chemical Bulk Storage Facility
6	WESTBURY ALLOYS CORP	750 SHAMES DR	3387 feet to the NW	Hazardous Waste Treat, Storage, Disposal
14	BELL ATLANTIC-WESTBURY	500 SHAMES DR.	3467 feet to the NW	Petroleum Bulk Storage Site
51	NEW YORK STELEPHONE	500 SHAMES DR	3467 feet to the NW	Hazardous Waste Generator/Transporter
52	ACCURATE CHEMICAL	300 SHAMES DR	3570 feet to the NW	Hazardous Waste Generator/Transporter
53	ADAM FAIRCHILD REALTY LLC	600-660 CANTIAGUE ROCK RD	3580 feet to the NNW	Hazardous Waste Generator/Transporter
54	D H L	660 CANTIAGUE ROCK ROAD	3816 feet to the NNW	Hazardous Waste Generator/Transporter
15	THE REGENCY AT WESTBURY	3400 BRUSH HOLLOW RD.	3843 feet to the NW	Petroleum Bulk Storage Site
55	TABLE WRAPS	666 CANTIAGUE ROAD	3920 feet to the NNW	Hazardous Waste Generator/Transporter
16	ECLIPSE PRESS INC.	201 MONTROSE RD.	4045 feet to the NNW	Petroleum Bulk Storage Site
56	CADDYLAK SYSTEMS	201 MONTROSE ROAD	4059 feet to the NNW	Hazardous Waste Generator/Transporter
17	CANTIAGUE ELEMENTARY SCH.	CANTIAGUE ROCK ROAD	4065 feet to the N	Petroleum Bulk Storage Site
57	MY JO PRINTING COMPANY INC	200 MONTROSE ROAD	4080 feet to the NNW	Hazardous Waste Generator/Transporter
58	FRAN-CHAR PRESS INC	200 MONTROSE RD	4080 feet to the NNW	Hazardous Waste Generator/Transporter
18	EMERGENCY AMBULANCE SER	980A BRUSH HOLLOW ROAD	4247 feet to the W	Petroleum Bulk Storage Site
19	BRUSH HOLLOW CHEVRN#61721	BRUSH HOLLOW RD/MONTEROSE	4280 feet to the NW	Petroleum Bulk Storage Site
59	CUMBERLAND FARMS INC	BRUSH HOLLOW AVE - MONTROSE	4280 feet to the NW	Hazardous Waste Generator/Transporter

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60 MARINO INDUSTRIES CORP
 20 NORTHSHORE UNIV HOSP-DA
 21 NC CRIMES AGAINST PEOPLE
 22 NC PD HIGHWAY PATROL
 23 TNH HWY GARAGE
 61 NASSAU COUNTY DEPT OF PUBLIC WORKS
 24 BRUSH HOLLOW GULF, INC.
 25 MOBIL S/S #17-KHN
 26 BRUSH HOLLOW S/S CORP.
 27 ECKSTEIN, STANLEY
 28 PERNER, ALEJANDRO
 29 ACME BUS CORP.
 30 ACME BUS CORP
 62 ACME BUS CO
 63 GETTY PETROLEUM CORP
 64 BILL WOLF PETROLEUM
 65 BILL WOLF PETROLEUM
 66 DONALD AXINN COMPANIES
 31 DONALD E. AXINN CO.
 67 HOME DEPOT #1213
 32 THE HOME DEPOT
 33 HESS STATION #32341
 68 WERE ASSOCIATES
 34 ZAV RESTAURANT CORP(BUR
 69 CAMERON ADVERTISING INCORPORATED
 35 JERICO SERVICE CTR, INC.
 36 JERICO EXXON SC.(30513)
 70 EXXON COMPANY USA
 71 NYSDEC
 72 METRAN AUTOMATIC TRANS

MONTROSE RD & BRUSHOLLOW RD
 972 BRUSH HOLLOW ROAD
 970 BRUSH HOLLOW RD.
 970 BRUSH HOLLOW ROAD
 970 BRUSH HOLLOW ROAD
 970 BRUSHOLLOW ROAD
 6049 BRUSH HOLLOW RD.
 6060 BRUSH HOLLOW ROAD
 6060 BRUSH HOLLOW RD.
 17 HILLARY LA
 41 HILLARY LA
 1 BRUSH HOLLOW RD.
 1 BRUSH HOLLOW ROAD
 1 BRUSH HOLLOW RD
 125 JERICO TPK
 55 JERICO TRPK
 55 JERICO TURNPIKE
 131 JERICO TURNPIKE
 131 JERICO TNPKE. PH-1
 86 JERICO TPK
 90 JERICO TPK
 60 JERICO TPK
 100 JERICO TPK
 62 JERICO TPK
 50 JERICO TURNPIKE
 98 JERICO TNPKE.
 98 JERICO TURNPIKE
 98 JERICO TURNPIKE
 EXXON GAS STA 98 JERICO TPK
 48 JERICO TNPKE

4280 feet to the NW Hazardous Waste Generator/Transporter
 4299 feet to the W Petroleum Bulk Storage Site
 4321 feet to the W Petroleum Bulk Storage Site
 4321 feet to the W Petroleum Bulk Storage Site
 4321 feet to the W Petroleum Bulk Storage Site
 4321 feet to the W Hazardous Waste Generator/Transporter
 4569 feet to the NNW Petroleum Bulk Storage Site
 4629 feet to the NNW Petroleum Bulk Storage Site
 4629 feet to the NNW Petroleum Bulk Storage Site
 4870 feet to the NW Petroleum Bulk Storage Site
 4986 feet to the NW Petroleum Bulk Storage Site
 4998 feet to the NNW Petroleum Bulk Storage Site
 4998 feet to the NNW Petroleum Bulk Storage Site
 4999 feet to the NNW Hazardous Waste Generator/Transporter
 5074 feet to the NNW Hazardous Waste Generator/Transporter
 5083 feet to the NW Hazardous Waste Generator/Transporter
 5083 feet to the NW Hazardous Waste Generator/Transporter
 5119 feet to the NNW Hazardous Waste Generator/Transporter
 5164 feet to the NNW Petroleum Bulk Storage Site
 5171 feet to the NNW Hazardous Waste Generator/Transporter
 5182 feet to the NNW Petroleum Bulk Storage Site
 5192 feet to the NW Petroleum Bulk Storage Site
 5193 feet to the NNW Hazardous Waste Generator/Transporter
 5194 feet to the NW Petroleum Bulk Storage Site
 5198 feet to the NW Hazardous Waste Generator/Transporter
 5199 feet to the NNW Petroleum Bulk Storage Site
 5199 feet to the NNW Petroleum Bulk Storage Site
 5200 feet to the NNW Hazardous Waste Generator/Transporter
 5200 feet to the NNW Hazardous Waste Generator/Transporter
 5200 feet to the NW Hazardous Waste Generator/Transporter

Identified Toxic Sites by Category

Hazardous Substance - 1/2-1 Mile NW Hicksville, NY 11801

* Compass directions can vary substantially for sites located very close to the subject property address.

CERCLIS Sites

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
1	NYD002045417	JOHN HASSALL	CONTIAGUE ROCK RD	2804 feet to the NNW
2	NYD152088142	BRINKMAN INSTRUMENTS	CANTIAGUE ROCK ROAD	3162 feet to the NNW

Hazardous Substance Waste Disposal Sites

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
3		JOHN HASSALL	CANTIAQUE ROCK ROAD	2802 feet to the NNW
4		BRINKMANN INSTRUMENTS INC.	CANTIAQUE ROCK ROAD	3156 feet to the NNW

Solid Waste Facilities

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
5	30H80	WESTBURY ALLOYS CORP		3370 feet to the NW

Hazardous Waste Treatment, Storage, Disposal Facilities

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
6	NYD049204787	WESTBURY ALLOYS CORP	750 SHAMES DR	3387 feet to the NW

Petroleum Bulk Storage Sites

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
7	001479	SPRAGUE-GOODMAN ELEC. INC	1700 SHAMES DRIVE	2650 feet to the NW
8	000317	SLANTCO MANUFACTURING	1500 SHAMES DR.	2682 feet to the NW
9	000007	JOHN HASSAL INC.	609-1 CANTIAGUE ROCK RD.	2799 feet to the NNW
10	054027	BRINKMAN INSTRUMENTS INC.	1 CANTIAGUE ROCK RD.	3158 feet to the NNW
11	LG9400194	SMITH, RICHARD C.	200 MADISON PL	3189 feet to the N
12	000074	WESTBURY ALLOYS CORP.	750 SHAMES DR.	3353 feet to the NW
13	001528	WESTBURY ALLOYS, LLC	750 SHAMES DR.	3353 feet to the NW
14	056132	BELL ATLANTIC-WESTBURY	500 SHAMES DR.	3467 feet to the NW
15	056060	THE REGENCY AT WESTBURY	3400 BRUSH HOLLOW RD.	3843 feet to the NW
16	056644	ECLIPSE PRESS INC.	201 MONTROSE RD.	4045 feet to the NNW
17	052250	CANTIAGUE ELEMENTARY SCH.	CANTIAGUE ROCK ROAD	4065 feet to the N
18	LG9400125	EMERGENCY AMBULANCE SER	980A BRUSH HOLLOW ROAD	4247 feet to the W
19	042052	BRUSH HOLLOW CHEVRN#61721	BRUSH HOLLOW RD/MONTEROSE	4280 feet to the NW
20	GS9400027	NORTHSHORE UNIV HOSP-DA	972 BRUSH HOLLOW ROAD	4299 feet to the W
21	053149	NC CRIMES AGAINST PEOPLE	970 BRUSH HOLLOW RD.	4321 feet to the W
22	GS9600065	NC PD HIGHWAY PATROL	970 BRUSH HOLLOW ROAD	4321 feet to the W
23	GS9600096	TNH HWY GARAGE	970 BRUSH HOLLOW ROAD	4321 feet to the W
24	057413	BRUSH HOLLOW GULF, INC.	6049 BRUSH HOLLOW RD.	4569 feet to the NNW
25	042090	MOBIL S/S #17-KHN	6060 BRUSH HOLLOW ROAD	4629 feet to the NNW
26	057417	BRUSH HOLLOW S/S CORP.	6060 BRUSH HOLLOW RD.	4629 feet to the NNW
27	LG9400122	ECKSTEIN, STANLEY	17 HILLARY LA	4870 feet to the NW
28	LG9400157	PERNER, ALEJANDRO	41 HILLARY LA	4986 feet to the NW
29	057057	ACME BUS CORP.	1 BRUSH HOLLOW RD.	4998 feet to the NNW
30	GS9400010	ACME BUS CORP	1 BRUSH HOLLOW ROAD	4998 feet to the NNW
31	038005	DONALD E. AXINN CO.	131 JERICO TNPK. PH-1	5164 feet to the NNW
32	GS9400026	THE HOME DEPOT	90 JERICO TPK	5182 feet to the NNW
33	SS9400006	HESS STATION #32341	60 JERICO TPK	5192 feet to the NW
34	LG9400130	ZAV RESTAURANT CORP(BUR	62 JERICO TPK	5194 feet to the NW

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35 057296 JERICO SERVICE CTR, INC.
36 041032 JERICO EXXON SC.(30513)

98 JERICO TNPK.
98 JERICO TURNPIKE

5199 feet to the NNW
5199 feet to the NNW

Hazardous Waste Generators, Transporters

MAP ID	FACILITY ID	FACILITY NAME
37	NYD980567051	SLANTCO MANUFACTURING COMPANY
38	NYR000059071	ENERAC
39	NYD002045417	JOHN HASSALL INC
40	NYD986927283	NORTH BRIDGE HASSALL INC
41	NYD081515017	MATH ASSOCIATES
42	NYD002042158	PIONEER CORP
43	NYD072378425	AIRCRAFT TURBINE SERVICE DIV AIRWORK
44	NYD005906904	COLLEGE HOUSE
45	NYD001539055	KEMP METAL PRODUCTS
46	NYD002043404	BERCO INDUSTRIES CORP
47	NYD002054351	BRINKMAN INSTRUMENT
48	NYD986942191	COMPUTER INSTRUMENT CORPORATION
49	NYD049204787	WESTBURY ALLOYS CORP
50	NY0000130914	JERICO WATER DISTRICT
51	NYD987030574	NEW YORK STELEPHONE
52	NY0000196832	ACCURATE CHEMICAL
53	NYR000078972	ADAM FAIRCHILD REALTY LLC
54	NYD986910909	D H L
55	NYD981481963	TABLE WRAPS
56	NYD013371356	CADDYLAKE SYSTEMS
57	NYD157711235	MY JO PRINTING COMPANY INC
58	NYD047669965	FRAN-CHAR PRESS INC
59	NYR000014514	CUMBERLAND FARMS INC
60	NYD986973766	MARINO INDUSTRIES CORP
61	NYD986925501	NASSAU COUNTY DEPT OF PUBLIC WORKS
62	NY0000072553	ACME BUS CO
63	NYR000014555	GETTY PETROLEUM CORP
64	NYD982795577	BILL WOLF PETROLEUM
65	NYD986903300	BILL WOLF PETROLEUM
66	NYR000056978	DONALD AXINN COMPANIES
67	NYR000001727	HOME DEPOT #1213
68	NYR000065441	WERE ASSOCIATES
69	NYD986877686	CAMERON ADVERTISING INCORPORATED
70	NYD986925709	EXXON COMPANY USA
71	NYP003630464	NYSDEC
72	NYR000045559	METRAN AUTOMATIC TRANS

FACILITY STREET
1500 SHAMES DRIVE
1300 SHAMES AVE
CANTIAGUE ROCK ROAD
CANTIAGUE ROCK RD
2200 SHAMES DRIVE
2000 SHAMES DR
1100 SHAMES DRIVE
601 CANTIAGUE ROAD
2300 SHAMES DRIVE
1250 SHAMES DR
CANTIAGUE ROAD
1000 SHAMES DRIVE
750 SHAMES DR
CANTIAGUE ROCK RDSARATOGA DR
500 SHAMES DR
300 SHAMES DR
600-660 CANTIAGUE ROCK RD
660 CANTIAGUE ROCK ROAD
666 CANTIAGUE ROAD
201 MONTROSE ROAD
200 MONTROSE ROAD
200 MONTROSE RD
BRUSH HOLLOW AVE - MONTROSE
MONTROSE RD & BRUSHOLLOW RD
970 BRUSHOLLOW ROAD
1 BRUSH HOLLOW RD
125 JERICO TPKE
55 JERICO TRPK
55 JERICO TURNPIKE
131 JERICO TURNPIKE
86 JERICO TPK
100 JERICO TPK
50 JERICO TURNPIKE
98 JERICO TURNPIKE
EXXON GAS STA 98 JERICO TPKE
48 JERICO TNPKE

DISTANCE & DIRECTION
2678 feet to the NW
2767 feet to the NW
2799 feet to the NNW
2799 feet to the NNW
2814 feet to the NW
2830 feet to the NW
2852 feet to the NW
2883 feet to the NNW
2935 feet to the NNW
3113 feet to the NNW
3159 feet to the NNW
3335 feet to the NNW
3355 feet to the NW
3360 feet to the NNW
3467 feet to the NW
3570 feet to the NW
3580 feet to the NNW
3816 feet to the NNW
3920 feet to the NNW
4059 feet to the NNW
4080 feet to the NNW
4080 feet to the NNW
4280 feet to the NW
4280 feet to the NW
4321 feet to the W
4999 feet to the NNW
5074 feet to the NNW
5083 feet to the NW
5083 feet to the NW
5119 feet to the NNW
5171 feet to the NNW
5193 feet to the NNW
5198 feet to the NW
5200 feet to the NNW
5200 feet to the NNW
5200 feet to the NW

Chemical Bulk Storage Facilities

MAP ID	FACILITY ID	FACILITY NAME
73	1-000245	WELL #15
74	1-000120	WESTBURY ALLOYS

FACILITY STREET
SARATOGA DRIVE AND
750 SHAMES DR.

DISTANCE & DIRECTION
3360 feet to the NNW
3373 feet to the NW

Toxic Release Inventory Sites

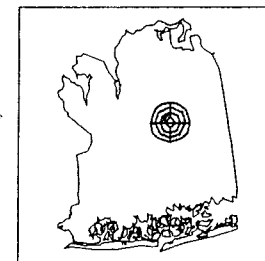
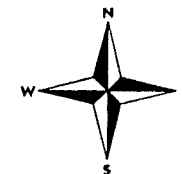
MAP ID	FACILITY ID	FACILITY NAME
75	280773	JOHN HASSALL, INC.

FACILITY STREET
609-1 CANTIAGUE ROCK

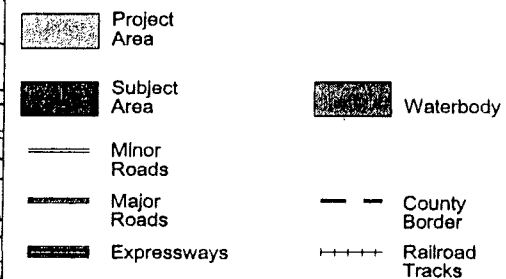
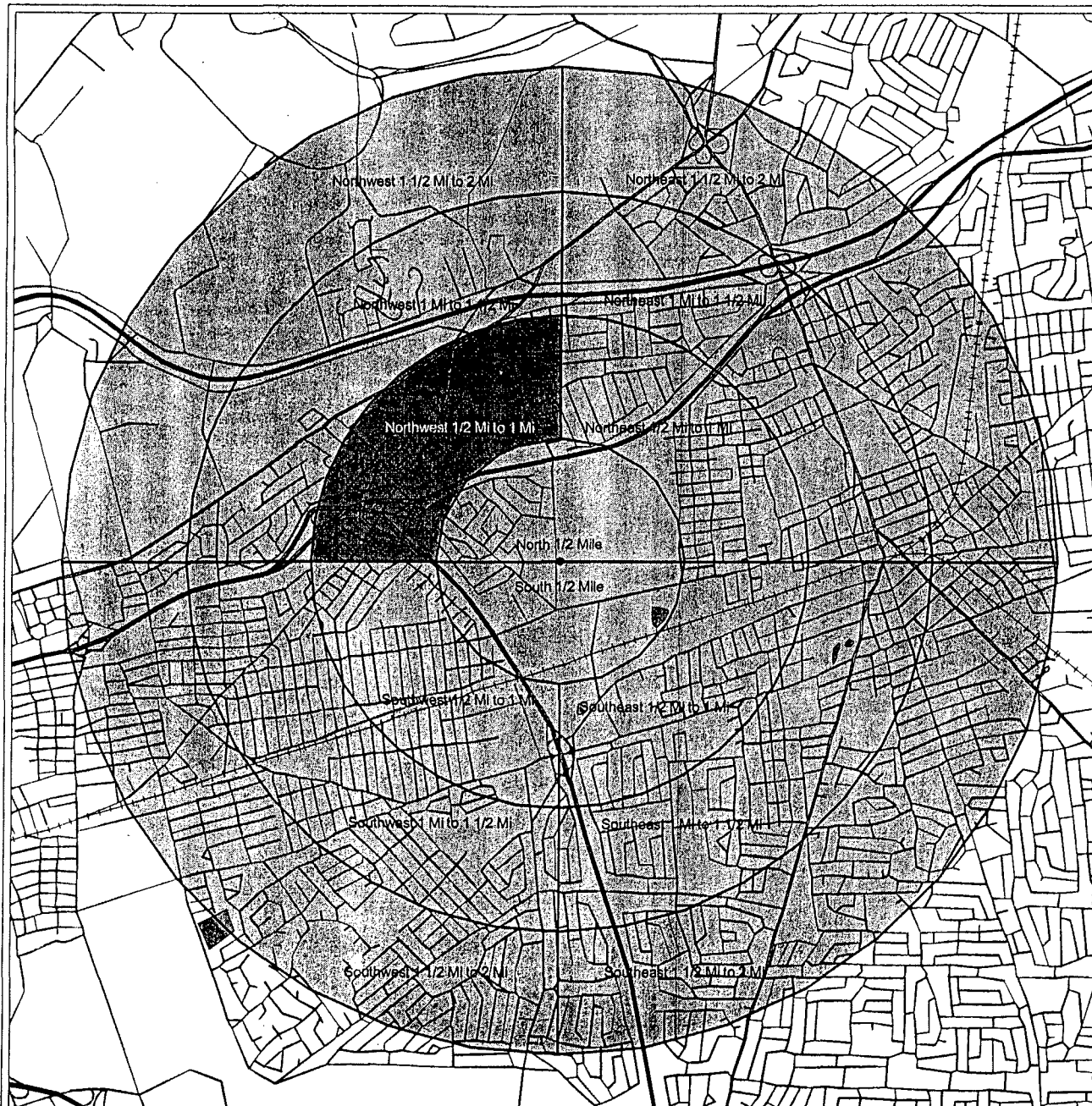
DISTANCE & DIRECTION
2755 feet to the NNW

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**Toxics Targeting
Project Area Overview Map**
with highlighted section for this report
Hazardous Substance - 1/2-1 Mile NW
Hicksville, NY 11801

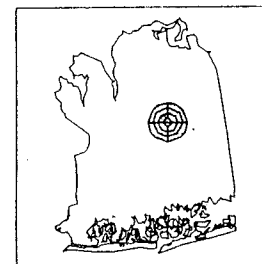
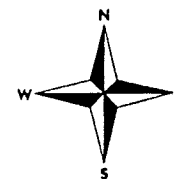


Nassau County



Toxics Targeting Site Map

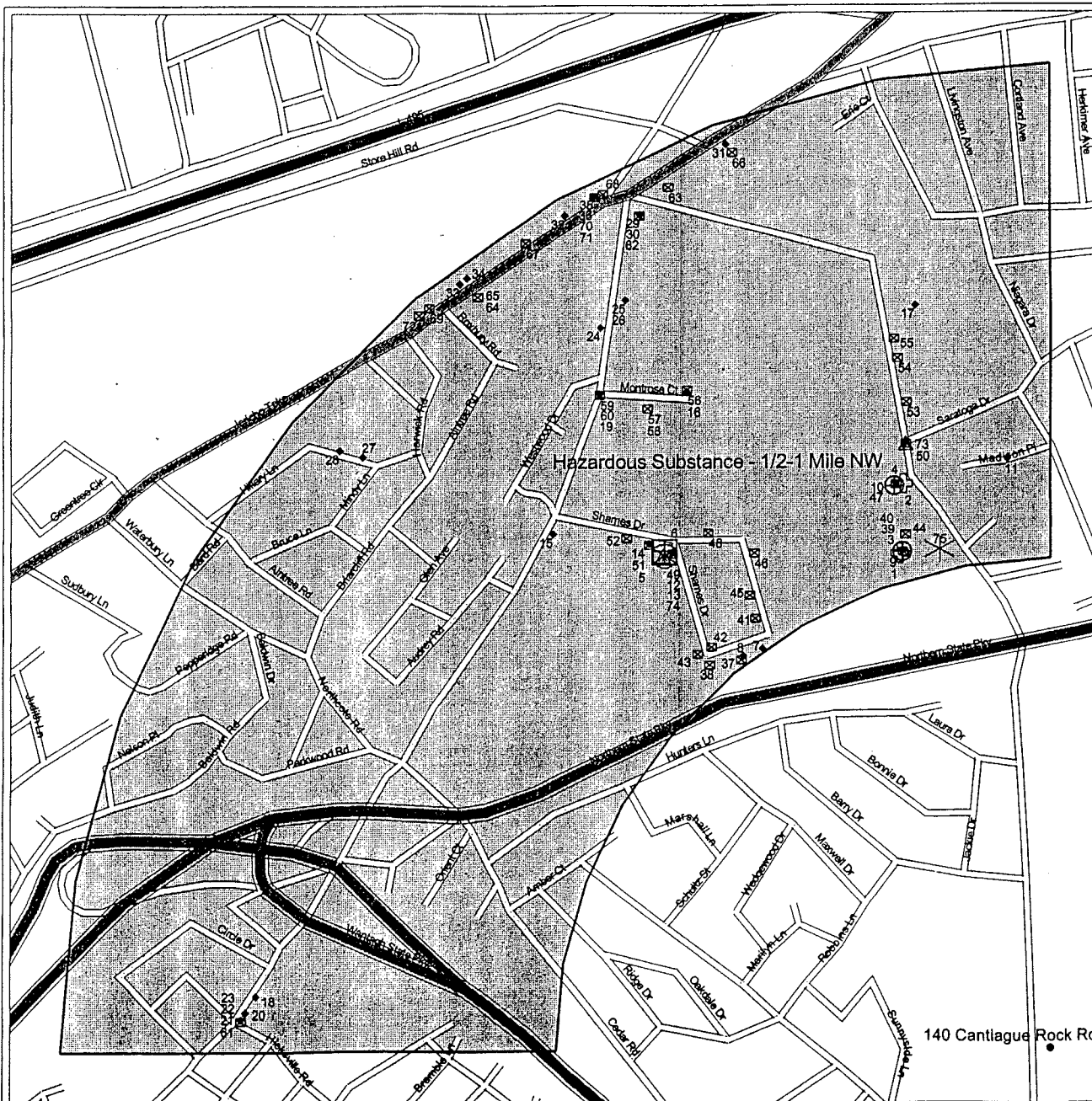
Hazardous Substance - 1/2-1 Mile NW
Hicksville, NY 11801



Nassau County

- NPL, CERCLIS, NYSDEC Inactive Hazardous Waste Disposal Registry or Registry Qualifying Site
- Hazardous Waste Treater, Storer, Disposer
- Hazardous Substance Waste Disposal Site
- Major Oil Storage Facility
- Hazardous Waste Generator, Transp.
- Civil Enforcement Docket Facility
- Solid Waste Facility
- Chemical Storage Facility
- Toxic Release
- Petroleum Bulk Storage Facility

- Subject Area
- Minor Roads
- Major Roads
- Expressways
- Waterbody
- County Border
- Railroad Tracks



Scale: 1 inch = 788 feet

Section Two: Toxic Site Profiles

The heading of each *Toxic Site Profile* refers to the site's map location and details:

- The facility name, address, city, state, and zip code (This information does not appear in the headings for Inactive Hazardous Waste Disposal Sites).
- Any changes that were made to a site's address in order to map its location.
- The site mapping method that was used (see *How Sites are Located*, at the end of this section for more information).

Toxic Site Profiles summarize information provided by site owners or operators and government agencies regarding various toxic chemical activities reported at each site, such as:

- Whether chemicals were stored, produced, transported, discharged or disposed of.
- The name of chemicals and their Chemical Abstract Series (CAS) numbers;
- The amount of chemicals and the units (gallons/pounds) the chemical was measured in.
- Whether the site or storage tanks at the site are currently active or inactive.
- Special codes used by government agencies to regulate hazardous waste activities at some sites
(A complete description of the codes follows the profiles section).

For selected individual chemicals reported at various toxic sites, some potential health effect summary information appears below the site profile. Each potential health effect summary identifies chemicals by name and by Chemical Abstract Series (CAS) Number. An "x" under each potential health effect heading indicates positive toxicity testing results reported by the National Institute of Occupational Safety and Health's Registry of Toxic Effects of Chemical Substances (RTECS). Some chemicals (mostly appearing in profiles of Hazardous Waste facilities), are reported as mixtures, and RTECS health effect information is only available for individual chemicals. In addition, RTECS only provides information on approximately 100,000 common chemicals. Consequently, the absence of potential health effect summary information for a particular chemical identified in a Toxic Site Profile does not necessarily mean that the chemical does not pose potential health effects.

The Maximum Contaminant Level (MCL) in drinking water allowed for selected chemicals is also noted. In most cases, the only applicable MCL has been set by the New York State Department of Health (NYSDOH). Where NYSDOH has not set an MCL, the federal standard, if one exists, is listed and is marked by an asterisk.

Presented below are column headings that describe the health effect definitions used in RTECS and applicable New York State and federal drinking water standards. Reference sources for information presented in this section are also provided.

ACUTE TOX: **Acute Toxicity:** Short-term exposure to this chemical can cause lethal and non-lethal toxicity effects not included in the following four categories.

TUMOR TOX: **Tumorigenic Toxicity:** The chemical can cause an increase in the incidence of tumors.

MUTAG TOX: **Mutagenic Toxicity:** The chemical can cause genetic alterations that are passed from one generation to the next.

REPRO TOX: **Reproductive toxicity:** May signify one of the following effects: maternal effects, paternal effects, effects on fertility, effects on the embryo or fetus, specific developmental abnormalities, tumorigenic effects, or effects on the newborn (only positive reproductive effects data for mammalian species are referenced)

IRRIT TOX: **Primary Irritant:** The chemical can cause eye or skin irritation

MCL: **Drinking Water Standard - Maximum Contaminant Level (MCL)** listed under Drinking Water Supplies, 10 NYCRR Part 5, Subparts 1.51(f),(g), and (h) for NYDOH MCL's and under the Safe Drinking Water Act, 40 CFR 141, Subparts B and G, (* indicates value for total trihalomethanes) for federal MCL's.

Reference Source for Toxicity Information: Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH (on-line database); For further information, contact: NIOSH, 4676 Columbia Parkway, Cincinnati, OH, 45226, 800/35-NIOSH.

Reference Source for Drinking Water Standards: New York State Department of Health, Bureau of Toxic Substances Assessment, 2 University Place, Room 240, Albany, NY 12203, 518/458-6373.

U.S. Environmental Protection Agency, Office of Drinking Water, 401 M St SW, Mailstop WH-556, Washington, DC, 20460, 202/260-5700.

Inactive Hazardous Waste Disposal Site Classifications: 1 -- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or the environment -- immediate action required;

2 -- Significant threat to the public health or environment -- action required;

3 -- Does not Present a significant threat to the environment or public health -- action may be deferred;

4 -- Site properly closed --requires continued management;

5 -- Site properly closed, no evidence of present or potential adverse impact -- no further action required;

2a -- This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law.

D1, 2, 3 -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed)



*** NPL/CERCLIS/INACTIVE HAZARDOUS WASTE DISPOSAL SITES IDENTIFIED WITHIN THE SEARCH AREA ***

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 1 JOHN HASSALL
CONTIAGUE ROCK RD

WESTBURY, NY 11590

EPA Facility Id: NYD002045417

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)

Approximate distance from property: 2804 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - X NYSDEC REGISTRY -

USEPA COMPREHENSIVE ENVIRONMENTAL RESPONSE
COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)

SITE INFORMATION

EPA-ID: NYD002045417
Site Name: JOHN HASSALL
Site Street: CONTIAGUE ROCK RD
Site City/State/Zip: WESTBURY, NY 11590

Site-ID: 0201339

NFRAP (No Further Remedial Activity Planned) Indicator:

Owner Indicator: Other
Incident Type:
Incident Category:
Non-NPL Status: Site Reassessment Start Needed
Federal Facility Flag: Not a Federal FacilityNPL Status Indicator: Not on the NPL
USGS Hydrological Unit: 02030202
RCRA Flag:

SITE DESCRIPTION:

THIS IS SITE IS AN ACTIVE FACILITY. THE WASTEWATER PRODUCED ARE HIGH IN HEAVY METALS. SPENT CLEANING SOLVENTS ARE THE HAZARDOUS WASTES PRODUCED. TESTING PERFORMED IN 1984 BY HASALL ON INFLUENT AND A SLURRY FROM THE TRTMNT PLANT SHOW HIGH AMT

OPERABLE UNIT INFORMATION

Operable Unit ID: 00 Operable Unit Name: SITEWIDE

ACTION INFORMATION

Name: DISCOVERY
Lead: EPA Fund-Financed
Qualifier:Current Plan Start Date:
Current Plan Completion Date:
Actual Start Date:

SYL00109073

Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: No Entry into IFMS

Actual Completion Date: 19801001
Operable Unit ID: 00
Financial Budget Source:

Name: PRELIMINARY ASSESSMENT
Lead: EPA Fund-Financed
Qualifier: Low
Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: Both Intramural and Extramural Entry into IFMS

Current Plan Start Date:
Current Plan Completion Date:
Actual Start Date:
Actual Completion Date: 19860924
Operable Unit ID: 00
Financial Budget Source: Remedial

Name: SITE INSPECTION
Lead: EPA Fund-Financed
Qualifier: Low
Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: Both Intramural and Extramural Entry into IFMS

Current Plan Start Date:
Current Plan Completion Date:
Actual Start Date: 19880610
Actual Completion Date: 19880620
Operable Unit ID: 00
Financial Budget Source: Remedial

Name: REMOVAL ASSESSMENT
Lead: EPA Fund-Financed
Qualifier:
Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: Both Intramural and Extramural Entry into IFMS

Current Plan Start Date:
Current Plan Completion Date:
Actual Start Date: 19970210
Actual Completion Date: 19970912
Operable Unit ID: 00
Financial Budget Source: Removal

FINANCIAL INFORMATION

No financial information was provided

Map Identification Number 2 BRINKMAN INSTRUMENTS
CANTIAGUE ROCK ROAD

WESTBURY, NY 11590 EPA Facility Id: NYD152088142

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 3162 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - X NYSDEC REGISTRY -

SYL00109074

USEPA COMPREHENSIVE ENVIRONMENTAL RESPONSE
COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)

SITE INFORMATION

EPA-ID: NYD152088142
Site Name: BRINKMAN INSTRUMENTS
Site Street: CANTIAGUE ROCK ROAD
Site City/State/Zip: WESTBURY, NY 11590

Site-ID: 0202989

NFRAP (No Further Remedial Activity Planned) Indicator: NO FURTHER REMEDIAL ACTION PLANNED

Owner Indicator: Unknown
Incident Type:
Incident Category:
Non-NPL Status: NFRAP
Federal Facility Flag: Not a Federal Facility

NPL Status Indicator: Not on the NPL
USGS Hydrological Unit: 02030202
RCRA Flag: YES (RCRA FACILITY)

SITE ALIAS INFORMATION

Alias Name: BRINKMAN INSTRUMENTS
Alias Street: NY
Alias City/State/Zip: NASSAU

Alias ID: 101

OPERABLE UNIT INFORMATION

Operable Unit ID: 00
Operable Unit Name: SITEWIDE

ACTION INFORMATION

Name: DISCOVERY
Lead: EPA Fund-Financed
Qualifier:
Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: No Entry into IFMS

Current Plan Start Date:
Current Plan Completion Date:
Actual Start Date:
Actual Completion Date: 19890201
Operable Unit ID: 00
Financial Budget Source:

Name: PRELIMINARY ASSESSMENT
Lead: EPA Fund-Financed
Qualifier: NFRAP (No Further Remedial Action Planned)
Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: Both Intramural and Extramural Entry into IFMS

Current Plan Start Date:
Current Plan Completion Date:
Actual Start Date: 19890301
Actual Completion Date: 19890522
Operable Unit ID: 00
Financial Budget Source: Remedial

Name: ARCHIVE SITE

Current Plan Start Date:

SYL00109075

Lead: EPA In-House
Qualifier:
Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: No Entry into IFMS

Current Plan Completion Date:
Actual Start Date:
Actual Completion Date: 19890522
Operable Unit ID: 00
Financial Budget Source:

FINANCIAL INFORMATION

No financial information was provided

SYL00109076

*** HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES IDENTIFIED WITHIN THE SEARCH AREA ***

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 3 JOHN HASSALL
CANTIAQUE ROCK ROADSite Number Id:
WESTBURY, NY 11590

Registry ID New

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 2802 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGENEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Hazardous Waste Remediation
Hazardous Substance Waste Disposal Site StudyInventory Status: Removed from the Hazardous Substance Inventory
Reason site did not qualify for the Inventory:
Current Registry site

SITE INFORMATION

Site Name: JOHN HASSALL
Site Street: CANTIAQUE ROCK ROAD
Site City: WESTBURY
Site Zip: 11590
Region: 1Site Number:
Registry: Yes
Registry Site ID: New
RCRA: Unknown
EPA ID: NYD002045417

US EPA No Further Remedial Action Planned? Unknown

Site Code: 1
Description: INDUSTRIAL SITEAcres: 0.00
Completed Investigation? FDSI
Is Site Active: Unknown
Years of Operation: 1953 to UnknownQuadrangle: Unknown
HRS Score: Unknown
HRS Date: Unknown

Site Description:

A specialty nail & fastener manufacturer discharged untreated and treated industrial wastewater to a recharge basin/aquifer. An oil and grease spill occurred in 1987 near the underground storage tanks. A listing package is being prepared to classify the site as class 2.

Owner: Private
Owner Name: THEODORE SMITH JR.
Owner Street: CANTIAQUE ROCK ROAD
Owner City/ZIP/State: WESTBURY NY, 11590Operator: Private
Operator Name: KARL HORLITZ
Operator Street: SAME
Operator City/ZIP/State:

SYL00109077

Owner Telephone: (516) 334-6200

Operator Telephone: Unknown

SITE IMPACT DATA

Affected Media:

Contamination of...		Hazardous Substance Exposed?	Unknown
...Surface Water?	No	Controlled Site Access?	Unknown
...Groundwater?	Unknown	Ambient Air Contamination?	Unknown
...Drinking Water?	Unknown	Threat of Direct Contact?	Unknown
Surface Water Class:	Unknown	Documented Fish or Wildlife Mortality?	No
Groundwater Class:	Unknown	Impact on Special Status Fish or Wildlife Resource?	No
		Active Drinking Water Supply?	Unknown

Descriptions:

Surface Water:

The only possible surface water route is contained by berms and liners under the waste.

Groundwater:

The nearest groundwater depth is 68 feet, flowing in a Southeast direction.

Drinking Water:

The nearest water supply distance is 900 feet away in a northeast direction.

Fish or Wildlife Mortality:

None provided

Special Status Fish or Wildlife Resource:

None provided

Building:

None provided

THREAT TO THE ENVIRONMENT OR PUBLIC HEALTH

Threat to the Environment or the Public Health: Environment/Public Health

Threat Posed by Disposed Hazardous Substance:

The groundwater route of contamination is unknown, aquifers underlying the site are used for drinking.

Contaminants are present on site and a strong potential exists that groundwater contamination has occurred.

HAZARDOUS SUBSTANCES DISPOSED:

VOCs: Yes

Semi-VOCs: Yes

PCBs: Yes

Pesticides: Yes

Metals: Yes

Asbestos: No

Hazardous Substances Disposed:

Pesticides (4,4 DDE 550 ug/kg, 4,4 DDT 450 ug/kg), trichloroethane 15 ug/kg, toluene 21 ug/kg, benzoic acid 6000 ug/kg, chlordane, PCB's 1300 ug/kg, metals, cyanide .63 ug/kg, aluminium 16700 ug/kg, chromium 151 ug/kg, copper 250 ug/kg, lead 145 ug/kg, nickel 206 ug/kg, zinc 167 ug/kg

SYL00109078

SELECTED ANALYTICAL INFORMATION:

Samples Collected:
Subsurface, Waste

Air: None provided
Surface Water: None provided
Surface Soil: None provided
Waste: None provided
EPToxicity: None provided
Groundwater: None provided
Sediment: None provided
Subsurface Soil: None provided
Leachate: None provided
TCLP: None provided

AGENCY INFORMATION:

Regulatory Agencies Involved:
US EPA

Preparer: None provided

Map Identification Number 4 BRINKMANN INSTRUMENTS INC.
CANTIAQUE ROCK ROAD

Site Number Id: HS1003 Registry ID N
WESTBURY, NY 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 3156 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: CANTIAQUE ROCK RD
Revised zip code: NO CHANGE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Hazardous Waste Remediation
Hazardous Substance Waste Disposal Site Study

Inventory Status: Currently Listed in the Hazardous Substance Inventory

SITE INFORMATION

Site Name: BRINKMANN INSTRUMENTS INC.
Site Street: CANTIAQUE ROCK ROAD
Site City: WESTBURY

Site Number: HS1003
Registry: No
Registry Site ID: None

SYL00109079

Site Zip: 11590
Region: 1

RCRA: Unknown
EPA ID: NYD002054351

US EPA No Further Remedial Action Planned? True

Site Code: 1
Description: INDUSTRIAL SITE

Acres: 10.00
Completed Investigation? FDPA
Is Site Active: Unknown
Years of Operation: 1974 to Unknown

Quadrangle: HICKSVILLE NY
HRS Score: Unknown
HRS Date: Unknown

Site Description:

The waste unit is a septic tank outside the Brinkmann building within the site limits. A drain connects the septic tank to a laboratory drain.

Owner: Private
Owner Name: BRINKMANN INSTRUMENTS INC.
Owner Street: CANTIAQUE ROCK RD.
Owner City/ZIP/State: WESTBURY, NY 11590
Owner Telephone: (516)334-7500

Operator: Private
Operator Name: SAME
Operator Street: SAME
Operator City/ZIP/State:
Operator Telephone: Same

SITE IMPACT DATA

Affected Media:

Contamination of...

...Surface Water? No
...Groundwater? Unknown
...Drinking Water? Unknown
Surface Water Class: Unknown
Groundwater Class: Sole

Hazardous Substance Exposed? Unknown
Controlled Site Access? Unknown
Ambient Air Contamination? Unknown
Threat of Direct Contact? Unknown
Documented Fish or Wildlife Mortality? No
Impact on Special Status Fish or Wildlife Resource? No
Active Drinking Water Supply? Yes

Descriptions:

Surface Water: None provided

Groundwater:
Groundwater flows south at a depth of 68 feet.

Drinking Water:
The nearest water supply is 600 feet to the east.

Fish or Wildlife Mortality: None provided
Special Status Fish or Wildlife Resource: None provided

SYL00109080

Building: None provided

THREAT TO THE ENVIRONMENT OR PUBLIC HEALTH

Threat to the Environment or the Public Health: None

Threat Posed by Disposed Hazardous Substance:

Direct contact is not a threat. There are no known wells that are at a depth where contaminants may be found.

HAZARDOUS SUBSTANCES DISPOSED:

VOCs: Yes Semi-VOCs: No PCBs: No Pesticides: No Metals: No Asbestos: No

Hazardous Substances Disposed:

acetone, chloroform, 1,2 dichloroethane, ethyl acetate, methanol, dichloromethane

SELECTED ANALYTICAL INFORMATION:

Samples Collected:

None

Air: None provided
Surface Water: None provided
Surface Soil: None provided
Waste: None provided
EPToxicity: None provided
Groundwater: None provided
Sediment: None provided
Subsurface Soil: None provided
Leachate: None provided
TCLP: None provided

AGENCY INFORMATION:

Regulatory Agencies Involved:

Preparer:

Julie Welch February 22, 1994

SYL00109081



*** SOLID WASTE FACILITIES IDENTIFIED WITHIN THE SEARCH AREA ***

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 5

WESTBURY ALLOYS CORP
NO ADDRESS INFORMATION PROVIDED

Facility Id: 30H80

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 3370 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: 750 SHAMES DR
Revised zip code: 11590

This facility has been deleted from the reported data. Data reflects last reported information.

PERMIT NUMBER	PERMIT EXPIRES	FACILITY TYPE	FACILITY STATUS	WASTE TYPES
		Hazardous Waste		' X'

SYL00109082



*** NO OIL STORAGE FACILITIES LARGER THAN 400,000 GALLONS IDENTIFIED WITHIN THE SEARCH AREA ***

SYL00109083



*** HAZARDOUS WASTE TREATMENT/STORAGE/DISPOSERS IDENTIFIED WITHIN THE SEARCH AREA ***

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 6

WESTBURY ALLOYS CORP

WESTBURY, NY 11590

Facility Id: NYD049204787

EPA Name:

WESTBURY ALLOYS CORP

EPA Address:

750 SHAMES DR

WESTBURY 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)

Approximate distance from property: 3387 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: 750 SHAMES DRIVE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Transporter: YES

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

US EPA RCRA Violations:

Most Recent Info: Violation Area: GENERATOR-ALL REQUIREMENTS
Violation Number: 0001
Violation Class: 2
Violation Type:

Responsible Agency: STATE
Violation Determination Date: 06/26/1987
Violation Priority:
Regulation:

Most Recent Info: Violation Area: GENERATOR-ALL REQUIREMENTS
Violation Number: 0004
Violation Class: 2
Violation Type:

Responsible Agency: STATE
Violation Determination Date: 11/20/1989
Violation Priority:
Regulation:

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent reported data.

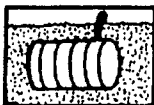
WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	747	POUNDS	TREAT STOR DISPOSED	1999
D002	Solid waste that exhibits the characteristic of corrosivity	30	GALLONS	TREAT STOR DISPOSED	1999
D002	Solid waste that exhibits the characteristic of corrosivity	519	POUNDS	TREAT STOR DISPOSED	1999
D003	Solid waste that exhibits the characteristic of reactivity	505	POUNDS	TREAT STOR DISPOSED	1998
D005	Barium	31145	POUNDS	TREAT STOR DISPOSED	2000
D006	Cadmium	6357	POUNDS	TREAT STOR DISPOSED	1997
D011	Silver	11809	POUNDS	TREAT STOR DISPOSED	1988
F003	Spent non-halogenated solvents	2878	POUNDS	TREAT STOR DISPOSED	2000
F007	Spent cyanide plating bath solutions from electroplating operations	275	GALLONS	TREAT STOR DISPOSED	2000
F007	Spent cyanide plating bath solutions from electroplating operations	4912	POUNDS	TREAT STOR DISPOSED	2000
F008	Plating bath residues from the bottom of plating baths	114	POUNDS	TREAT STOR DISPOSED	2000
F009	Spent stripping and cleaning bath solutions from electroplating operations	1055	GALLONS	TREAT STOR DISPOSED	2000
F009	Spent stripping and cleaning bath solutions from electroplating operations	924	POUNDS	TREAT STOR DISPOSED	1999

SYL00109084

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Barium	7440393						1mg/L*
Cadmium	7440439	X	X	X	X		.010mg/L*
Silver	7440224		X				0.05mg/L*

SYL00109085

*** PETROLEUM BULK STORAGE FACILITIES LESS THAN 400,000 GALLONS IDENTIFIED WITHIN THE SEARCH AREA ***

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 7**SPRAGUE-GOODMAN ELEC. INC**
1700 SHAMES DRIVE**Facility Id 001479**
WESTBURY,**Source: NASS DEPT OF HEALTH****MAP LOCATION INFORMATION**Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2650 feet to the NW**ADDRESS CHANGE INFORMATION**Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0002	IN SERVICE	COPPER SULFATE	55	INDOORS ABOVEGROUND	041996
0003	IN SERVICE	COPPER SULFATE	55	INDOORS ABOVEGROUND	041996
0004	IN SERVICE	TANK, WATER RINSE	55	INDOORS ABOVEGROUND	041996
0005	IN SERVICE	STANNOUS SULFATE	55	INDOORS ABOVEGROUND	041996
0006	IN SERVICE	STANNOUS SULFATE	55	INDOORS ABOVEGROUND	041996
0007	IN SERVICE	TANK, WATER RINSE	55	INDOORS ABOVEGROUND	041996
0008	IN SERVICE	COPPER SULFATE	25	INDOORS ABOVEGROUND	041996
0009	IN SERVICE	COPPER SULFATE	25	INDOORS ABOVEGROUND	041996
0010	IN SERVICE	TANK, WATER RINSE	25	INDOORS ABOVEGROUND	041996

Map Identification Number 8**SLANTCO MANUFACTURING**
1500 SHAMES DR.**Facility Id 000317**
WESTBURY,**Source: NASS DEPT OF HEALTH****MAP LOCATION INFORMATION**Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2682 feet to the NW**ADDRESS CHANGE INFORMATION**Revised street: 1500 SHAMES DRIVE
Revised zip code: 11590

This facility has been deleted from the reported data. Data reflects last reported information.

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0001	IN SERVICE	TRADE NAME, ORGANIC	900	INDOORS ABOVEGROUND	0986
0004	IN SERVICE	SULPHURIC ACID	3000	INDOORS ABOVEGROUND	0179

SYL00109086

Map Identification Number 9 **JOHN HASSAL INC.**
609-1 CANTIAGUE ROCK RD.

Facility Id 000007
WESTBURY,

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)

Approximate distance from property: 2799 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: CANTIAGUE ROCK ROAD

Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0012	IN SERVICE	WATER, OIL	10000	INDOORS ABOVEGROUND	011975
0013	IN SERVICE	WATER, OIL	10000	INDOORS ABOVEGROUND	011975
0014	IN SERVICE	WATER, OIL	10000	INDOORS ABOVEGROUND	011975
The following tank was deleted from the reported data. Data reflects last reported information.					
0015	IN SERVICE	OIL, FUEL #2	3000	BELOWGROUND	0168
0019	IN SERVICE	OIL, LUBRICATING	500	INDOORS ABOVEGROUND	011987
0021	IN SERVICE	OIL, MISC	500	INDOORS ABOVEGROUND	011959
0022	IN SERVICE	OIL, FUEL #2	2500	OUTDOORS ABOVEGROUND	051995
0023	IN SERVICE	WASTE OIL	2000	INDOORS ABOVEGROUND	031999

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
OIL, FUEL #2	68476302	X	X			X	
OIL, FUEL #2	68476302	X	X			X	

Map Identification Number 10 **BRINKMAN INSTRUMENTS INC.**
1 CANTIAGUE ROCK RD.

Facility Id 054027
WESTBURY,

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)

Approximate distance from property: 3158 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: CANTIAGUE ROCK ROAD

Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0001	IN SERVICE	OIL, FUEL #2	10000	BELOWGROUND	011984

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
OIL, FUEL #2	68476302	X	X			X	

SYL00109087

Map Identification Number 11 SMITH, RICHARD C.
200 MADISON PL

Facility Id LG9400194 Source: NASS. FIRE MARSHALL
JERICO,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 3189 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11753

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	120	OUTDOOR ABOVEGROUND HORIZONTAL			

Map Identification Number 12 WESTBURY ALLOYS CORP.
750 SHAMES DR.

Facility Id 000074 Source: NASS DEPT OF HEALTH
WESTBURY,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 3353 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

This facility has been deleted from the reported data. Data reflects last reported information.

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0005	IN SERVICE	SILVER NITRATE	60	INDOORS ABOVEGROUND	0186
0006	IN SERVICE	AQUA REGIA (MURIATIC	110	INDOORS ABOVEGROUND	0278
0007	IN SERVICE	AQUA REGIA (MURIATIC	110	INDOORS ABOVEGROUND	0278
0008	IN SERVICE	AQUA REGIA (MURIATIC	110	INDOORS ABOVEGROUND	0278
0009	IN SERVICE	WATER TANK	55	INDOORS ABOVEGROUND	0178
0010	IN SERVICE	WATER TANK	110	INDOORS ABOVEGROUND	0178
0012	IN SERVICE	NITRIC ACID	55	INDOORS ABOVEGROUND	0188
0014	IN SERVICE	AQUA REGIA (MURIATIC	110	INDOORS ABOVEGROUND	0785
0015	IN SERVICE	AQUA REGIA (MURIATIC	110	INDOORS ABOVEGROUND	0785
0016	IN SERVICE	GOLD CYANIDE	55	INDOORS ABOVEGROUND	0480
0017	IN SERVICE	GOLD CYANIDE	55	INDOORS ABOVEGROUND	0480
0018	IN SERVICE	WATER TANK	55	INDOORS ABOVEGROUND	0982
0021	IN SERVICE	AQUA REGIA (MURIATIC	110	INDOORS ABOVEGROUND	0278
0022	IN SERVICE	SILVER NITRATE	60	INDOORS ABOVEGROUND	1189
0023	IN SERVICE	SILVER NITRATE	60	INDOORS ABOVEGROUND	1189
0024	IN SERVICE	AQUA REGIA (MURIATIC	80	INDOORS ABOVEGROUND	0177
0025	IN SERVICE	AQUA REGIA (MURIATIC	40	INDOORS ABOVEGROUND	0177
0027	IN SERVICE	WATER TANK	55	INDOORS ABOVEGROUND	0178
0029	IN SERVICE	AQUA REGIA (MURIATIC	80	INDOORS ABOVEGROUND	0177
0030	IN SERVICE	CYANIDES	1900	OUTDOORS ABOVEGROUND	0284
0031	IN SERVICE	AQUA REGIA (MURIATIC	48	INDOORS ABOVEGROUND	0177

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0032	IN SERVICE	AQUA REGIA (MURIATIC	40	INDOORS ABOVEGROUND	0177
0033	IN SERVICE	AQUA REGIA (MURIATIC	40	INDOORS ABOVEGROUND	0177
0034	IN SERVICE	AQUA REGIA (MURIATIC	40	INDOORS ABOVEGROUND	0177
0035	IN SERVICE	CYANIDES	250	INDOORS ABOVEGROUND	0188
0036	IN SERVICE	ACIDS, MIXED INORGAN	3000	OUTDOORS ABOVEGROUND	0289
0037	IN SERVICE	AQUA REGIA (MURIATIC	13	INDOORS ABOVEGROUND	0177
0038	IN SERVICE	AQUA REGIA (MURIATIC	13	INDOORS ABOVEGROUND	0177
0039	IN SERVICE	AQUA REGIA (MURIATIC	13	INDOORS ABOVEGROUND	0177
0040	IN SERVICE	AQUA REGIA (MURIATIC	13	INDOORS ABOVEGROUND	0177
0041	IN SERVICE	AQUA REGIA (MURIATIC	13	INDOORS ABOVEGROUND	0177
0042	IN SERVICE	TANK, CLARIFYING	150	INDOORS ABOVEGROUND	1091
0043	IN SERVICE	TANK, CLARIFYING	75	INDOORS ABOVEGROUND	1091
0044	IN SERVICE	TANK, PH ADJUSTMENT	75	INDOORS ABOVEGROUND	1091
0045	IN SERVICE	TANK, ION EXCHANGE	75	INDOORS ABOVEGROUND	1091
0046	IN SERVICE	TANK, CLARIFYING	75	INDOORS ABOVEGROUND	1091
0047	IN SERVICE	TANK, PH ADJUSTMENT	50	INDOORS ABOVEGROUND	1091
0048	IN SERVICE	TANK, OVERFLOW	50	INDOORS ABOVEGROUND	1091
0049	IN SERVICE	TANK, CLARIFYING	500	INDOORS ABOVEGROUND	1091
0050	IN SERVICE	TANK, WATER RINSE	250	INDOORS ABOVEGROUND	1091
0051	IN SERVICE	TANK, WATER RINSE	250	INDOORS ABOVEGROUND	1091

Map Identification Number 13 WESTBURY ALLOYS, LLC
750 SHAMES DR.

Facility Id 001528
WESTBURY,

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 3353 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0006	IN SERVICE	AQUA REGIA (MURIATIC	74	INDOORS ABOVEGROUND	021978
0007	IN SERVICE	AQUA REGIA (MURIATIC	74	INDOORS ABOVEGROUND	021978
0009	IN SERVICE	WATER TANK	78	INDOORS ABOVEGROUND	011978
0010	IN SERVICE	WATER TANK	131	INDOORS ABOVEGROUND	011978
0016	IN SERVICE	GOLD CYANIDE	110	INDOORS ABOVEGROUND	041989
0018	IN SERVICE	WATER TANK	71	INDOORS ABOVEGROUND	091982
0021	IN SERVICE	AQUA REGIA (MURIATIC	67	INDOORS ABOVEGROUND	021978
0022	IN SERVICE	SILVER NITRATE	60	INDOORS ABOVEGROUND	011986
0024	IN SERVICE	AQUA REGIA (MURIATIC	17	INDOORS ABOVEGROUND	011977
0025	IN SERVICE	AQUA REGIA (MURIATIC	17	INDOORS ABOVEGROUND	011977
0027	IN SERVICE	WATER TANK	91	INDOORS ABOVEGROUND	011977
0029	IN SERVICE	WATER TANK	129	INDOORS ABOVEGROUND	011977
0030	IN SERVICE	CYANIDES	1900	INDOORS ABOVEGROUND	011977
0031	IN SERVICE	AQUA REGIA (MURIATIC	6	INDOORS ABOVEGROUND	011977

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0032	IN SERVICE	AQUA REGIA (MURIATIC	14	INDOORS ABOVEGROUND	011977
0033	IN SERVICE	AQUA REGIA (MURIATIC	17	INDOORS ABOVEGROUND	011977
0034	IN SERVICE	COLLECTION SUMP	10	INDOORS ABOVEGROUND	011977
0035	IN SERVICE	CYANIDES	250	INDOORS ABOVEGROUND	041989
0036	IN SERVICE	ACIDS, MIXED INORGAN	3000	OUTDOORS ABOVEGROUND	041989
0037	IN SERVICE	AQUA REGIA (MURIATIC	13	INDOORS ABOVEGROUND	011977
0038	IN SERVICE	AQUA REGIA (MURIATIC	13	INDOORS ABOVEGROUND	011977
0039	IN SERVICE	AQUA REGIA (MURIATIC	13	INDOORS ABOVEGROUND	011977
0040	IN SERVICE	AQUA REGIA (MURIATIC	13	INDOORS ABOVEGROUND	011977
0041	IN SERVICE	AQUA REGIA (MURIATIC	13	INDOORS ABOVEGROUND	011977
0042	IN SERVICE	TANK, CLARIFYING	210	INDOORS ABOVEGROUND	101991
0043	IN SERVICE	TANK, CLARIFYING	105	INDOORS ABOVEGROUND	101991
0044	IN SERVICE	TANK, PH ADJUSTMENT	105	INDOORS ABOVEGROUND	101991
0045	IN SERVICE	TANK, ION EXCHANGE	105	INDOORS ABOVEGROUND	101991
0046	IN SERVICE	TANK, CLARIFYING	105	INDOORS ABOVEGROUND	101991
0047	IN SERVICE	TANK, ALKALINE PRECI	105	INDOORS ABOVEGROUND	101991
0048	IN SERVICE	DIATOMECEOUS EARTH	5	INDOORS ABOVEGROUND	101991
0049	IN SERVICE	TANK, CLARIFYING	520	INDOORS ABOVEGROUND	101991
0054	IN SERVICE	TANK, FILTER FEED	55	INDOORS ABOVEGROUND	021994
0055	IN SERVICE	TANK, FILTER PRESS	112	INDOORS ABOVEGROUND	021994
0056	IN SERVICE	TANK, FILTER PRESS	10	INDOORS ABOVEGROUND	021994
0057	IN SERVICE	FILTER	10	INDOORS ABOVEGROUND	021994
0058	IN SERVICE	DIATOMECEOUS EARTH	15	INDOORS ABOVEGROUND	021998
0059	IN SERVICE	TANK, ION EXCHANGE	10	INDOORS ABOVEGROUND	021998
0060	IN SERVICE	TANK, ION EXCHANGE	10	INDOORS ABOVEGROUND	021998
0061	IN SERVICE	TANK, ION EXCHANGE	31	INDOORS ABOVEGROUND	021998
0062	IN SERVICE	TANK, CLARIFYING	31	INDOORS ABOVEGROUND	021998
0063	IN SERVICE	TANK, CLARIFYING	31	INDOORS ABOVEGROUND	021998
0064	IN SERVICE	DIAMOND WASH WATER	55	INDOORS ABOVEGROUND	021998
0065	IN SERVICE	VACUUM WATER SUMP	39	INDOORS ABOVEGROUND	021998
0066	IN SERVICE	AQUA REGIA (MURIATIC	14	INDOORS ABOVEGROUND	021998
0070	IN SERVICE	AQUA REGIA (MURIATIC	5	INDOORS ABOVEGROUND	021998
0071	IN SERVICE	AQUA REGIA (MURIATIC	5	INDOORS ABOVEGROUND	021998
0072	IN SERVICE	AQUA REGIA (MURIATIC	5	INDOORS ABOVEGROUND	021998
0073	IN SERVICE	AQUA REGIA (MURIATIC	5	INDOORS ABOVEGROUND	021998
0074	IN SERVICE	AQUA REGIA (MURIATIC	5	INDOORS ABOVEGROUND	021998

Map Identification Number 14

BELL ATLANTIC-WESTBURY
500 SHAMES DR.Facility Id 056132
WESTBURY,

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 3467 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

SYL00109090

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0002	IN SERVICE	WASTE OIL	275	OUTDOORS ABOVEGROUND	021999

Map Identification Number 15 THE REGENCY AT WESTBURY
3400 BRUSH HOLLOW RD.

Facility Id 056060
WESTBURY,

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 3843 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: 3400 BRUSH HOLLOW RD
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0003	IN SERVICE	OIL, FUEL #2	5000	BELOWGROUND	011994
The following tank was deleted from the reported data. Data reflects last reported information.					
0004	IN SERVICE	OIL, FUEL #2	15	INDOORS ABOVEGROUND	0294

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
OIL, FUEL #2	68476302	X	X			X	

Map Identification Number 16 ECLIPSE PRESS INC.
201 MONTROSE RD.

Facility Id 056644
WESTBURY,

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 4045 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

This facility has been deleted from the reported data. Data reflects last reported information.

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0001	REMOVAL STATUS	OIL, FUEL #2	3000	BELOWGROUND	1262

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
OIL, FUEL #2	68476302	X	X			X	

SYL00109091

Map Identification Number 17 CANTIAGUE ELEMENTARY SCH.
CANTIAGUE ROCK ROAD

JERICHO,
Facility Id 052250

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 4065 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: 676 CANTIAGUE ROCK ROAD
Revised zip code: 11753

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0001	IN SERVICE	OIL, FUEL #2	15000	BELOWGROUND	081986

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
OIL, FUEL #2	68476302	X	X			X	

Map Identification Number 18 EMERGENCY AMBULANCE SER
980A BRUSH HOLLOW ROAD

WESTBURY,
Facility Id LG9400125

Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 4247 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: 980 BRUSH HOLLOW RD
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
HB01	ACTIVE	PROPANE (LPG)/BUTANE	420	OUTDOOR UNDERGROUND HORIZONTAL			

Map Identification Number 19 BRUSH HOLLOW CHEVRN#61721
BRUSH HOLLOW RD/MONTEROSE

WESTBURY,
Facility Id 042052

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4280 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: BRUSH HOLLOW RD / MONTROSE RD
Revised zip code: 11590

This facility has been deleted from the reported data. Data reflects last reported information.

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0004	IN SERVICE	WASTE OIL	1000	BELOWGROUND	0185

SYL00109092

0009 IN SERVICE OIL, FUEL #2 550 BELOWGROUND 0393

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
OIL, FUEL #2	68476302	X	X			X	

Map Identification Number 20 NORTHSHORE UNIV HOSP-DA Facility Id GS9400027 Source: NASS. FIRE MARSHALL
972 BRUSH HOLLOW ROAD WESTBURY,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4283 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
HF01	ACTIVE	DIESEL	2500	OUTDOOR UNDERGROUND HORIZONTAL	073196	073196	

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	

Map Identification Number 21 NC CRIMES AGAINST PEOPLE Facility Id 053149 Source: NASS DEPT OF HEALTH
970 BRUSH HOLLOW RD. NEW CASSEL,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4321 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
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The following tank was deleted from the reported data. Data reflects last reported information.

0004	IN SERVICE	OIL, FUEL #2	1000	BELOWGROUND	0490
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The following tank was deleted from the reported data. Data reflects last reported information.

0006	IN SERVICE	WASTE OIL	275	INDOORS ABOVEGROUND	1255
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SYL00109093

0007 IN SERVICE WASTE OIL 280 OUTDOORS ABOVEGROUND 081998

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
OIL, FUEL #2	68476302	X	X			X	

Map Identification Number 22 NC PD HIGHWAY PATROL
970 BRUSH HOLLOW ROAD WESTBURY, Facility Id GS9600065 Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4321 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
BH01	ACTIVE	DIESEL	300	INDOOR ABOVEGROUND HORIZONTAL	080394	080394	
HB01	REMOVED	GASOLINE-EMPTY TANK	1000	OUTDOOR UNDERGROUND HORIZONTAL		092690	
HC01	ACTIVE	GASOLINE LOW GR UNL	10000	OUTDOOR UNDERGROUND HORIZONTAL	111781	081490	

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	
GASOLINE-EMPTY TANK	8006619	X	X			X	

Map Identification Number 23 TNH HWY GARAGE
970 BRUSH HOLLOW ROAD WESTBURY, Facility Id GS9600096 Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4321 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DB01	ACTIVE	DIESEL	2000	OUTDOOR ABOVEGROUND HORIZONTAL	080194	102694	

SYL00109094

HB01	REMOVED	GASOLINE-EMPTY TANK	1000	OUTDOOR UNDERGROUND HORIZONTAL	022161	092893
HB02	REMOVED	GASOLINE-EMPTY TANK	550	OUTDOOR UNDERGROUND HORIZONTAL	022161	092893
HB03	ACTIVE	DIESEL	275	OUTDOOR UNDERGROUND HORIZONTAL	010161	

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	
GASOLINE-EMPTY TANK	8006619	X	X			X	
DIESEL	68334305	X	X			X	

Map Identification Number 24 **BRUSH HOLLOW GULF, INC.** Facility Id 057413 Source: NASS DEPT OF HEALTH
6049 BRUSH HOLLOW RD. WESTBURY,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 4569 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

This facility has been deleted from the reported data. Data reflects last reported information.

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0005	IN SERVICE	WASTE OIL	1000	BELOWGROUND	0485

Map Identification Number 25 **MOBIL S/S #17-KHN** Facility Id 042090 Source: NASS DEPT OF HEALTH
6060 BRUSH HOLLOW ROAD WESTBURY,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4629 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

This facility has been deleted from the reported data. Data reflects last reported information.

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0006	IN SERVICE	OIL, FUEL #2	1000	BELOWGROUND	0390
0007	IN SERVICE	WASTE OIL	1000	BELOWGROUND	0390

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
OIL, FUEL #2	68476302	X	X			X	

SYL00109095

Map Identification Number 26 **BRUSH HOLLOW S/S CORP.**
6060 BRUSH HOLLOW RD.

Facility Id 057417
WESTBURY,

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4629 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

This facility has been deleted from the reported data. Data reflects last reported information.

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0002	IN SERVICE	WASTE OIL	250	OUTDOORS ABOVEGROUND	1255

Map Identification Number 27 **ECKSTEIN, STANLEY**
17 HILLARY LA

Facility Id LG9400122
WESTBURY,

Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 4870 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
HB01	ACTIVE	PROPANE (LPG)/BUTANE	420	OUTDOOR UNDERGROUND HORIZONTAL			
HB02	ACTIVE	PROPANE (LPG)/BUTANE	420	OUTDOOR UNDERGROUND HORIZONTAL			

Map Identification Number 28 **PERNER, ALEJANDRO**
41 HILLARY LA

Facility Id LG9400157
WESTBURY,

Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 4986 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	100	OUTDOOR ABOVEGROUND HORIZONTAL			
DX02	ABANDONED	PROPANE (LPG)/BUTANE	100	OUTDOOR ABOVEGROUND HORIZONTAL			

SYL00109096

Map Identification Number 29 ACME BUS CORP.
1 BRUSH HOLLOW RD.

JERICO,
Facility Id 057057

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 4998 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11753

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0006	IN SERVICE	OIL, MOTOR	240	INDOORS ABOVEGROUND	061997
0007	IN SERVICE	TRANSMISSION FLUID	150	INDOORS ABOVEGROUND	061996
0008	IN SERVICE	WASTE OIL	275	INDOORS ABOVEGROUND	091997

Map Identification Number 30 ACME BUS CORP
1 BRUSH HOLLOW ROAD

WESTBURY,
Facility Id GS9400010

Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 4998 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11753

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
HC01	ACTIVE	DIESEL	6000	OUTDOOR UNDERGROUND HORIZONTAL	010385	090492	
HC02	ACTIVE	DIESEL	6000	OUTDOOR UNDERGROUND HORIZONTAL	010385	090492	

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	

Map Identification Number 31 DONALD E. AXINN CO.
131 JERICO TNP. PH-1

JERICO,
Facility Id 038005

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 5164 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: 131 JERICO TPKE
Revised zip code: 11753

This facility has been deleted from the reported data. Data reflects last reported information.

SYL00109097

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0125	REMOVAL STATUS	OIL, FUEL #2	5000	BELOWGROUND	0169
0131	REMOVAL STATUS	OIL, FUEL #2	7500	BELOWGROUND	0167

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
OIL, FUEL #2	68476302	X	X			X	

Map Identification Number 32 THE HOME DEPOT
90 JERICO TPK

JERICO,

Facility Id GS9400026 Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 5182 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: 90 JERICO TPKE
Revised zip code: 11753

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ACTIVE	DIESEL	250	OUTDOOR ABOVEGROUND HORIZONTAL			

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	

Map Identification Number 33 HESS STATION #32341
60 JERICO TPK

JERICO,

Facility Id SS9400006 Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 5192 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 60 JERICO TPKE
Revised zip code: 11753

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
HC01	ACTIVE	GASOLINE LOW GR UNL	10000	OUTDOOR UNDERGROUND HORIZONTAL	052583	040193	

SYL00109098

HC02	ACTIVE	GASOLINE REG LEADED	10000	OUTDOOR UNDERGROUND HORIZONTAL	052383	040193
HC03	ACTIVE	GASOLINE HIGH GR UNL	10000	OUTDOOR UNDERGROUND HORIZONTAL	052583	040193
HC04	ACTIVE	DIESEL	10000	OUTDOOR UNDERGROUND HORIZONTAL	052583	040193

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	

Map Identification Number 34 ZAV RESTAURANT CORP(BUR
62 JERICHO TPK JERICHO, Facility Id LG9400130 Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 5194 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: 62 JERICHO TPKE
Revised zip code: 11753

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ACTIVE	PROPANE (LPG)/BUTANE	100	OUTDOOR ABOVEGROUND HORIZONTAL			
DX02	ACTIVE	PROPANE (LPG)/BUTANE	100	OUTDOOR ABOVEGROUND HORIZONTAL			
DX03	ACTIVE	PROPANE (LPG)/BUTANE	100	OUTDOOR ABOVEGROUND HORIZONTAL			
DX04	ACTIVE	PROPANE (LPG)/BUTANE	100	OUTDOOR ABOVEGROUND HORIZONTAL			

Map Identification Number 35 JERICHO SERVICE CTR, INC.
98 JERICHO TNP. JERICHO, Facility Id 057296 Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 5199 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: 98 JERICHO TPKE
Revised zip code: 11753

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0001	IN SERVICE	OIL, MOTOR	270	INDOORS ABOVEGROUND	101997
0002	IN SERVICE	WASTE OIL	500	OUTDOORS ABOVEGROUND	071994

SYL00109099

Map Identification Number 36 JERICO EXXON SC.(30513)
98 JERICO TURNPIKE

JERICO, Facility Id 041032

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 5199 feet to the NNW

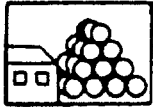
ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11753

This facility has been deleted from the reported data. Data reflects last reported information.

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0009	IN SERVICE	WASTE OIL	500	OUTDOORS ABOVEGROUND	0794

SYL00109100



*** HAZARDOUS WASTE GENERATORS/TRANSPORTERS IDENTIFIED WITHIN THE SEARCH AREA ***

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 37 SLANTCO MANUFACTURING COMPANY

1500 SHAMES DRIVE

WESTBURY, NY 11590

Facility Id: NYD980567051

EPA (RCRA) Name: SLANTCO MFG

EPA (RCRA) Address: 1500 SHAMES DR

WESTBURY, 115901760

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2678 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: LARGE QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D003	Solid waste that exhibits the characteristic of reactivity	165	GALLONS	GENERATED	1998
B004	PCB Articles containing 50 ppm or greater of PCBs but less than 500 ppm PCBs.	20	KILOGRAMS	GENERATED	1995
D001	Solid waste that exhibits the characteristic of ignitability	165	GALLONS	GENERATED	1995
D002	Solid waste that exhibits the characteristic of corrosivity	330	GALLONS	GENERATED	1995
D039	Tetrachloroethylene	30	GALLONS	GENERATED	1995
F001	Spent halogenated solvents used in degreasing	235	GALLONS	GENERATED	1995

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
PCB Articles containing 50 ppm or greater of PCBs but less t	1336363	X	X		X		5 ug/L
Tetrachloroethylene	127184	X	X	X	X	X	5 ug/L

SYL00109101

Map Identification Number 38

ENERAC

1300 SHAMES AVE

WESTBURY, NY 11590

Facility Id: NYR000059071

EPA (RCRA) Name: ENERGY EFFICIENCY SYSTEMS INC
EPA (RCRA) Address: 1300 SHAMES DR

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2767 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
U002	Acetone (l)	9	POUNDS	GENERATED	1998
U226	Ethane, 1,1,1-trichloro-	220	GALLONS	GENERATED	1998

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Acetone (l)	67641	X	X	X	X	X	50 ug/L
Ethane, 1,1,1-trichloro-	71556	X	X	X	X	X	5 ug/L

Map Identification Number 39

JOHN HASSALL INC

CANTIAGUE ROCK ROAD

WESTBURY L I, NY 11590

Facility Id: NYD002045417

EPA (RCRA) Name: JOHN HASSALL INC
EPA (RCRA) Address: CANTIAGUE ROCK RD

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)

Approximate distance from property: 2799 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

SYL00109102

US EPA RCRA Violations:

Most Recent Info: Violation Area: GENERATOR-ALL REQUIREMENTS
 Violation Number: 0001
 Violation Class: 1
 Violation Type:

Responsible Agency: EPA
 Violation Determination Date: 01/31/1983
 Violation Priority:
 Regulation:

Most Recent Info: Violation Area: GENERATOR-ALL REQUIREMENTS
 Violation Number: 0002
 Violation Class: 2
 Violation Type:

Responsible Agency: STATE
 Violation Determination Date: 08/12/1985
 Violation Priority:
 Regulation:

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	900	POUNDS	GENERATED	2000
D002	Solid waste that exhibits the characteristic of corrosivity	295	POUNDS	GENERATED	2000
D001	Solid waste that exhibits the characteristic of ignitability	220	GALLONS	GENERATED	1999
D007	Chromium	1440	POUNDS	GENERATED	1999
D039	Tetrachloroethylene	217	GALLONS	GENERATED	1995
F001	Spent halogenated solvents used in degreasing	495	GALLONS	GENERATED	1995
F003	Spent non-halogenated solvents	165	GALLONS	GENERATED	1995
D006	Cadmium	109	GALLONS	GENERATED	1994
D007	Chromium	165	GALLONS	GENERATED	1994
F001	Spent halogenated solvents used in degreasing	2474	POUNDS	GENERATED	1994
P030	Cyanides (soluble cyanide salts), not otherwise specified	30	POUNDS	GENERATED	1994
D039	Tetrachloroethylene	774	POUNDS	GENERATED	1991
F006	Wastewater treatment sludges from electroplating operations	24000	GALLONS	GENERATED	1984
D007	Chromium	30	CUBIC YDS	GENERATED	1983
D000	Unknown waste type.	14000	GALLONS	GENERATED	1982
N001	Unknown waste type.	43	GALLONS	GENERATED	1982
N003	Unknown waste type.	13	GALLONS	GENERATED	1982
U226	Ethane, 1,1,1-trichloro-	7	GALLONS	GENERATED	1982
X000	Unknown waste type.	21000	GALLONS	GENERATED	1982
D002	Solid waste that exhibits the characteristic of corrosivity	5990	GALLONS	GENERATED	1981
F006	Wastewater treatment sludges from electroplating operations	30	TONS	GENERATED	1981
F006	Wastewater treatment sludges from electroplating operations	15	CUBIC YDS	GENERATED	1981

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Chromium	7440473	X	X				50ug/L*
Tetrachloroethylene	127184	X	X	X	X	X	5 ug/L

SYL00109103

Cadmium	7440439	X	X	X	X		.010mg/L*
Chromium	7440473	X	X				50ug/L*
Cyanides (soluble cyanide salts), not otherwise specified	57125	X					
Tetrachloroethylene	127184	X	X	X	X	X	5 ug/L
Chromium	7440473	X	X				50ug/L*
Ethane, 1,1,1-trichloro-	71556	X	X	X	X	X	5 ug/L

Map Identification Number 40 **NORTH BRIDGE HASSALL INC**
CANTIAGUE ROCK RD
EPA (RCRA) Name: NORTH BRIDGE HASSALL INC
EPA (RCRA) Address: CANTIAGUE ROCK RD

WESTBURY, NY 11590

Facility Id: NYD986927283

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)

Approximate distance from property: 2799 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Transporter:

Treatment facility:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
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NONE Site reported by US EPA. No hazardous waste activity reported to NYS.

Map Identification Number 41 **MATH ASSOCIATES**
2200 SHAMES DRIVE
EPA (RCRA) Name: MATH ASSOCIATES INC
EPA (RCRA) Address: 2200 SHAMES DR

WESTBURY, NY 11590

Facility Id: NYD081515017

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2814 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator:

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

SYL00109104

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F002	Spent halogenated solvents	85	GALLONS	GENERATED	1989
F003	Spent non-halogenated solvents	165	GALLONS	GENERATED	1989

Map Identification Number 42 **PIONEER CORP**
 EPA (RCRA) Name: 2000 SHAMES DR
 EPA (RCRA) Address: PIONEER CORP
 2000 SHAMES DR

WESTBURY, NY 11590

Facility Id: NYD002042158

WESTBURY, 115901762

MAP LOCATION INFORMATION

Site location mapped by: **MANUAL MAPPING (3)**

Approximate distance from property: 2830 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: LARGE QUANTITY GENERATOR

Storer:	Transporter:
Treatment facility:	Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
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NONE Site reported by US EPA. No hazardous waste activity reported to NYS.

Map Identification Number 43 AIRCRAFT TURBINE SERVICE DIV AIRWORK
1100 SHAMES DRIVE
EPA (RCRA) Name: AIRCRAFT TURBINE SERVICE DIV AIRWORK
EPA (RCRA) Address: 1100 SHAMES DR

WESTBURY, NY 11590

Facility Id: NYD072378425

WESTBURY, 115901746

MAP LOCATION INFORMATION

Site location mapped by: **MANUAL MAPPING (3)**

Approximate distance from property: 2852 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: LARGE QUANTITY GENERATOR

Storer:	Transporter:
Treatment facility:	Incinerator:

Receives offsite waste:

Land Disposal(LDF):

SYL00109105

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	435	GALLONS	GENERATED	1986
D001	Solid waste that exhibits the characteristic of ignitability	50	POUNDS	GENERATED	1986
D002	Solid waste that exhibits the characteristic of corrosivity	120	POUNDS	GENERATED	1986
D002	Solid waste that exhibits the characteristic of corrosivity	55	GALLONS	GENERATED	1985
D009	Mercury	9955	GALLONS	GENERATED	1985
F002	Spent halogenated solvents	55	GALLONS	GENERATED	1985
D007	Chromium	14850	GALLONS	GENERATED	1983
K001	Bottom sediment sludge from treatment of wastewaters from wood preserving proc	4235	GALLONS	GENERATED	1983

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Mercury	7439976	X	X	X	X		.002mg/L*
Chromium	7440473	X	X				50ug/L*

Map Identification Number 44 COLLEGE HOUSE
 601 CANTIAGUE ROAD
 EPA (RCRA) Name: RUBIES COSTUME CO INC
 EPA (RCRA) Address: 601-603 CANTIAGUE ROCK RD

WESTBURY, NY 11590

Facility Id: NYD005906904

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 2883 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: 601 CANTIAGUE ROCK ROAD
 Revised zip code: 11753

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR
 Storer: Transporter:
 Treatment facility: Incinerator:

Receives offsite waste:
 Land Disposal(LDF):

US EPA RCRA Violations:

Most Recent Info: Violation Area: GENERATOR-GENERAL REQUIREMENTS
 Violation Number: 0001
 Violation Class: 2
 Violation Type: FEDERAL REGULATION

Responsible Agency: EPA
 Violation Determination Date: 04/04/2000
 Violation Priority:
 Regulation: failure to submit exceed notif

SYL00109106

Most Recent Info: Violation Area: GENERATOR-LAND BAN REQUIREMENTS
 Violation Number: 0001
 Violation Class: 2
 Violation Type:

Responsible Agency: STATE
 Violation Determination Date: 12/16/1992
 Violation Priority:
 Regulation:

Most Recent Info: Violation Area: GENERATOR-ALL REQUIREMENTS
 Violation Number: 0002
 Violation Class: 2
 Violation Type:

Responsible Agency: STATE
 Violation Determination Date: 12/16/1992
 Violation Priority:
 Regulation:

NYS DEC Manifested Waste Summary:
 Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	1952	POUNDS	GENERATED	1998
D002	Solid waste that exhibits the characteristic of corrosivity	150	POUNDS	GENERATED	1998
D009	Mercury	138	POUNDS	GENERATED	1998
D011	Silver	110	GALLONS	GENERATED	1998
D039	Tetrachloroethylene	51	POUNDS	GENERATED	1998
F002	Spent halogenated solvents	47560	POUNDS	GENERATED	1998
U226	Ethane, 1,1,1-trichloro-	45	POUNDS	GENERATED	1998
D001	Solid waste that exhibits the characteristic of ignitability	55	GALLONS	GENERATED	1986

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Mercury	7439976	X	X	X	X		.002mg/L*
Silver	7440224		X				0.05mg/L*
Tetrachloroethylene	127184	X	X	X	X	X	5 ug/L
Ethane, 1,1,1-trichloro-	71556	X	X	X	X	X	5 ug/L

Map Identification Number 45 KEMP METAL PRODUCTS
 2300 SHAMES DRIVE
 EPA (RCRA) Name: KEMP METAL PRODUCTS INC
 EPA (RCRA) Address: 2300 SHAMES DR

WESTBURY, NY 11590

Facility Id: NYD001539055

WESTBURY, 115901748

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 2935 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

SYL00109107

US EPA RCRA Type: Generator: LARGE QUANTITY GENERATOR
Storer: Transporter:
Treatment facility: Incinerator:

Receives offsite waste:
Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	33	GALLONS	GENERATED	1989
D001	Solid waste that exhibits the characteristic of ignitability	114	POUNDS	GENERATED	1989
D002	Solid waste that exhibits the characteristic of corrosivity	4	GALLONS	GENERATED	1989
F003	Spent non-halogenated solvents	80	GALLONS	GENERATED	1989

Map Identification Number 46 **BERCO INDUSTRIES CORP**
1250 SHAMES DR
EPA (RCRA) Name: BERCO INDUSTRIES CORP
EPA (RCRA) Address: 1250 SHAMES DR

WESTBURY, NY 11590

Facility Id: NYD002043404

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 3113 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: 1250 SHAMES DRIVE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator:

Storer:
Treatment facility:

Transporter:
Incinerator:

Receives offsite waste:
Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	Site reported by US EPA. No hazardous waste activity reported to NYS.				

Map Identification Number 47 **BRINKMAN INSTRUMENT**
CANTIAGUE ROAD
EPA (RCRA) Name: BRINKMANN INSTRUMENTS INC
EPA (RCRA) Address: CANTIAGUE ROCK RD

WESTBURY, NY 11590

Facility Id: NYD002054351

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 3159 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: 605 CANTIAGUE RD.
Revised zip code: NO CHANGE

SYL00109108

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR
Storer: Transporter: YES
Treatment facility: Incinerator:

Receives offsite waste:
Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F001	Spent halogenated solvents used in degreasing	483	POUNDS	GENERATED	1999
F003	Spent non-halogenated solvents	822	POUNDS	GENERATED	1999
D001	Solid waste that exhibits the characteristic of ignitability	1000	POUNDS	GENERATED	1991
F003	Spent non-halogenated solvents	220	GALLONS	GENERATED	1989
D002	Solid waste that exhibits the characteristic of corrosivity	55	GALLONS	GENERATED	1988
D001	Solid waste that exhibits the characteristic of ignitability	165	GALLONS	GENERATED	1983

Map Identification Number 48 COMPUTER INSTRUMENT CORPORATION
1000 SHAMES DRIVE
EPA (RCRA) Name: COMPUTER INSTRUMENTS CORP
EPA (RCRA) Address: 1000 SHAMES DR

WESTBURY, NY 11590
WESTBURY, 11590

Facility Id: NYD986942191

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 3335 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR
Storer: Transporter:
Treatment facility: Incinerator:

Receives offsite waste:
Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	55	GALLONS	GENERATED	1999
F001	Spent halogenated solvents used in degreasing	36	GALLONS	GENERATED	1996
F003	Spent non-halogenated solvents	55	GALLONS	GENERATED	1993
F003	Spent non-halogenated solvents	500	POUNDS	GENERATED	1992

SYL00109109

Map Identification Number 49 WESTBURY ALLOYS CORP
 750 SHAMES DR
 EPA (RCRA) Name: WESTBURY ALLOYS CORP
 EPA (RCRA) Address: 750 SHAMES DR

WESTBURY, NY 11590

Facility Id: NYD049204787

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)
 Approximate distance from property: 3355 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: 750 SHAMES DRIVE
 Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR
 Storer: Transporter: YES
 Treatment facility: Incinerator:

Receives offsite waste:
 Land Disposal(LDF):

US EPA RCRA Violations:

Most Recent Info: Violation Area: GENERATOR-ALL REQUIREMENTS
 Violation Number: 0001
 Violation Class: 2
 Violation Type:

Responsible Agency: STATE
 Violation Determination Date: 06/26/1987
 Violation Priority:
 Regulation:

Most Recent Info: Violation Area: GENERATOR-ALL REQUIREMENTS
 Violation Number: 0004
 Violation Class: 2
 Violation Type:

Responsible Agency: STATE
 Violation Determination Date: 11/20/1989
 Violation Priority:
 Regulation:

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F009	Spent stripping and cleaning bath solutions from electroplating operations	660	GALLONS	TRANSPORTED	1999
D003	Solid waste that exhibits the characteristic of reactivity	505	POUNDS	TRANSPORTED	1998
F009	Spent stripping and cleaning bath solutions from electroplating operations	350	GALLONS	GENERATED	1998
F009	Spent stripping and cleaning bath solutions from electroplating operations	767	POUNDS	TRANSPORTED	1998
F007	Spent cyanide plating bath solutions from electroplating operations	55	GALLONS	TRANSPORTED	1997
D007	Chromium	495	GALLONS	GENERATED	1996
D011	Silver	330	GALLONS	GENERATED	1996
D002	Solid waste that exhibits the characteristic of corrosivity	6172	POUNDS	GENERATED	1995
D008	Lead	5205	POUNDS	GENERATED	1994
D002	Solid waste that exhibits the characteristic of corrosivity	2693	GALLONS	GENERATED	1991
D008	Lead	6200	GALLONS	GENERATED	1990
P030	Cyanides (soluble cyanide salts), not otherwise specified	1800	GALLONS	GENERATED	1985
F015	Unknown waste type.	1540	GALLONS	GENERATED	1984
D006	Cadmium	385	GALLONS	GENERATED	1982

SYL00109110

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Chromium	7440473	X	X				50ug/L*
Silver	7440224		X				0.05mg/L*
Lead	7439921	X	X	X	X		0.05mg/L*
Cyanides (soluble cyanide salts), not otherwise specified	57125	X					
Cadmium	7440439	X	X	X	X		.010mg/L*

Map Identification Number 50 JERICO WATER DISTRICT
CANTIAGUE ROCK RDSARATOGA DR
EPA (RCRA) Name: JERICO WATER DISTRICT
EPA (RCRA) Address: CANTIAGUE ROCK RD & SARATOGA

WESTBURY, NY 11590

Facility Id: NY0000130914

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 3360 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: CANTIAGUE ROCK RD / SARATOGA DR

Revised zip code: 11753

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D002	Solid waste that exhibits the characteristic of corrosivity	140	GALLONS	GENERATED	1994

Map Identification Number 51 NEW YORK TELEPHONE
500 SHAMES DR
EPA (RCRA) Name: NEW YORK TELEPHONE CO
EPA (RCRA) Address: 500 SHAMES DR

WESTBURY, NY 11590

Facility Id: NYD987030574

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 3467 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

SYL00109111

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR
Storer: Transporter:
Treatment facility: Incinerator:

Receives offsite waste:
Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D039	Tetrachloroethylene	22	GALLONS	GENERATED	1998
F001	Spent halogenated solvents used in degreasing	220	POUNDS	GENERATED	1995
D001	Solid waste that exhibits the characteristic of ignitability	219	POUNDS	GENERATED	1994

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Tetrachloroethylene	127184	X	X	X	X	X	5 ug/L

Map Identification Number 52 **ACCURATE CHEMICAL**
300 SHAMES DR
EPA (RCRA) Name: ACCURATE CHEMICAL CO
EPA (RCRA) Address: 300 SHAMES DR

WESTBURY, NY 11590

Facility Id: NY0000196832

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 3570 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator:

Storer:
Treatment facility:

Transporter:
Incinerator:

Receives offsite waste:
Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	215	GALLONS	GENERATED	1994
D002	Solid waste that exhibits the characteristic of corrosivity	30	GALLONS	GENERATED	1994

SYL00109112

Lead 7439921 X X X X 0.05mg/L*

Map Identification Number 54 D H L
660 CANTIAGUE ROCK ROAD
EPA (RCRA) Name: D H L
EPA (RCRA) Address: 660 CANTIAGUE ROCK RD

WESTBURY, NY 11590

Facility Id: NYD986910909

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 3816 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11753

US EPA RCRA Type: Generator:

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	55	GALLONS	GENERATED	1990

Map Identification Number 55 TABLE WRAPS
666 CANTIAGUE ROAD
EPA (RCRA) Name: TABLE WRAPS
EPA (RCRA) Address: 666 CANTIAGUE ROCK RD

JERICHO, NY 11753

Facility Id: NYD981481963

JERICHO, 11753

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 3920 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: 666 CANTIAGUE ROCK ROAD
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

SYL00109114

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F002	Spent halogenated solvents	1260	POUNDS	GENERATED	2000
D001	Solid waste that exhibits the characteristic of ignitability	55	GALLONS	GENERATED	1998

Map Identification Number 56 **CADDYLAK SYSTEMS**
201 MONTROSE ROAD
EPA (RCRA) Name: CADDYLAK SYSTEMS INC
EPA (RCRA) Address: 201 MONTROSE RD

WESTBURY, NY 11590

Facility Id: NYD013371356

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)

Approximate distance from property: 4059 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator:

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D011	Silver	5	CUBIC YDS	GENERATED	1991
D006	Cadmium	385	GALLONS	GENERATED	1989
F001	Spent halogenated solvents used in degreasing	550	GALLONS	GENERATED	1989
D011	Silver	165	GALLONS	GENERATED	1987

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Silver	7440224		X				0.05mg/L*
Cadmium	7440439	X	X	X	X		.010mg/L*
Silver	7440224		X				0.05mg/L*

SYL00109115

Map Identification Number 57 MY JO PRINTING COMPANY INC
200 MONTROSE ROAD
EPA (RCRA) Name: MY-JO PRINTING CO INC
EPA (RCRA) Address: 200 MONTROSE RD

WESTBURY, NY 11590

Facility Id: NYD157711235

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4080 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR
Storer: Transporter:
Treatment facility: Incinerator:

Receives offsite waste:
Land Disposal(LDF):

US EPA RCRA Violations:

Most Recent Info: Violation Area: GENERATOR-ALL REQUIREMENTS
Violation Number: 0001
Violation Class: 2
Violation Type:

Responsible Agency: STATE
Violation Determination Date: 10/18/1991
Violation Priority:
Regulation:

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D018	BENZENE	300	POUNDS	GENERATED	1998
D001	Solid waste that exhibits the characteristic of ignitability	110	GALLONS	GENERATED	1997
D011	Silver	330	GALLONS	GENERATED	1997

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
BENZENE	71432	X	X	X	X	X	5 ug/L
Silver	7440224		X				0.05mg/L*

Map Identification Number 58 FRAN-CHAR PRESS INC
200 MONTROSE RD
EPA (RCRA) Name: FRAN-CHAR PRESS INC
EPA (RCRA) Address: 200 MONTROSE RD

WESTBURY, NY 11590

Facility Id: NYD047669965

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4080 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: 200 MONTROSE CT
Revised zip code: NO CHANGE

SYL00109116

US EPA RCRA Type: Generator:

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
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NONE Site reported by US EPA. No hazardous waste activity reported to NYS.

Map Identification Number 59

CUMBERLAND FARMS INC

BRUSH HOLLOW AVE - MONTROSE

WESTBURY, NY 11590

Facility Id: NYR000014514

EPA (RCRA) Name:

CUMBERLAND FARMS INC

EPA (RCRA) Address:

BRUSH HOLLOW AVE - MONTROSE

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 4280 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: BRUSH HOLLOW RD / MONTROSE RD

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: LARGE QUANTITY GENERATOR

Storer:

Transporter:

Treatment facility:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
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NONE Site reported by US EPA. No hazardous waste activity reported to NYS.

Map Identification Number 60

MARINO INDUSTRIES CORP

MONTROSE RD & BRUSHHOLLOW RD

WESTBURY, NY 11590

Facility Id: NYD986973766

EPA (RCRA) Name:

MARINO INDUSTRIES CORP

EPA (RCRA) Address:

MONTROSE RD & BRUSHHOLLOW RD

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 4280 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: MONTROSE RD / BRUSH HOLLOW RD

Revised zip code: NO CHANGE

SYL00109117

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
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NONE Site reported by US EPA. No hazardous waste activity reported to NYS.

Map Identification Number 61 NASSAU COUNTY DEPT OF PUBLIC WORKS

970 BRUSHHOLLOW ROAD

NEW CASSEL, NY 11590

Facility Id: NYD986925501

EPA (RCRA) Name: NASSAU COUNTY DPW

EPA (RCRA) Address: 970 BRUSH HOLLOW RD

NEW CASSEL, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 4321 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: 970 BRUSH HOLLOW ROAD

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	110	GALLONS	GENERATED	1997
D018	BENZENE	110	GALLONS	GENERATED	1997
D018	BENZENE	1000	POUNDS	GENERATED	1997

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
BENZENE	71432	X	X	X	X	X	5 ug/L

SYL00109118

Facility Id: NY0000072553

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Receives offsite waste:
Land Disposal(LDF):

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

YEAR

NONE Site reported by US EPA. No hazardous waste activity reported to NYS.

Facility Id: NYR000014555

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Receives offsite waste:
Land Disposal(LDF):

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

YEAR

1995

SYL00109119

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

Map Identification Number 64 **BILL WOLF PETROLEUM**
55 JERICHO TRPK
EPA (RCRA) Name: WOLF PETROLEUM
EPA (RCRA) Address: STRAIGHT PATH & NEW ST

JERICHO, NY 11753

Facility Id: NYD982795577

WYANDANCH, 11798

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 5083 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: 55 JERICHO TPKE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	165	GALLONS	GENERATED	1989

Map Identification Number 65 **BILL WOLF PETROLEUM**
55 JERICHO TUNRPIKE
EPA (RCRA) Name: BILL WOLF PETROLEUM
EPA (RCRA) Address: 3170-3186 ATLANTIC AVE

JERICHO, NY 11753

Facility Id: NYD986903300

BROOKLYN, 112081919

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 5083 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

SYL00109120

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	165	GALLONS	GENERATED	1990

Map Identification Number 66 **DONALD AXINN COMPANIES**
131 JERICHO TURNPIKE
EPA (RCRA) Name: DONALD E AXINN CO
EPA (RCRA) Address: 31 COMMERCIAL ST
REAR PARKING LOT PROP OWNER

JERICHO, NY 11753

PLAINVIEW, 11803

Facility Id: NYR000056978

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)

Approximate distance from property: 5119 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D008	Lead	407760	POUNDS	GENERATED	1998

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

SYL00109121

Map Identification Number 67 HOME DEPOT #1213
86 JERICHO TPK
EPA (RCRA) Name: HOME DEPOT THE 1213
EPA (RCRA) Address: 86 JERICHO TNP

JERICHO, NY 11753

Facility Id: NYR000001727

JERICHO, 11753

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 5171 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: 86 JERICHO TPKE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	260	GALLONS	GENERATED	2000
U002	Acetone (I)	80	GALLONS	GENERATED	2000

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Acetone (I)	67641	X	X	X	X	X	50 ug/L

Map Identification Number 68 WERE ASSOCIATES
100 JERICHO TPK
EPA (RCRA) Name: WERE ASSOCIATES INC
EPA (RCRA) Address: 100 JERICHO TNP
JERICHO QUADRANGLE SUITE 116

JERICHO, NY 11753

Facility Id: NYR000065441

JERICHO, 11753

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 5193 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

SYL00109122

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	31	POUNDS	GENERATED	1999
D008	Lead	481	POUNDS	GENERATED	1999

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

Map Identification Number 69 CAMERON ADVERTISING INCORPORATED
50 JERICHO TURNPIKE
EPA (RCRA) Name: CAMERON ADVERTISING INC
EPA (RCRA) Address: 50 JERICHO TNPK

JERICHO, NY 11753

Facility Id: NYD986877686

JERICHO, 11753

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 5198 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: LARGE QUANTITY GENERATOR
Storer: Transporter:
Treatment facility: Incinerator:

Receives offsite waste:
Land Disposal(LDF):

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D011	Silver	60	GALLONS	GENERATED	1990

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Silver	7440224		X				0.05mg/L*

SYL00109123

Map Identification Number 70 **EXXON COMPANY USA**
98 JERICO TURNPIKE.
EPA (RCRA) Name: EXXON CO USA LOC 30513
EPA (RCRA) Address: 98 JERICO TNPK

JERICO, NY 11753

Facility Id: NYD986925709

JERICO, 11753

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 5200 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	5530	GALLONS	GENERATED	1994
D008	Lead	2475	GALLONS	GENERATED	1994
D001	Solid waste that exhibits the characteristic of ignitability	500	POUNDS	GENERATED	1991

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

Map Identification Number 71 **NYSDEC**
EXXON GAS STA 98 JERICO TPKE

JERICO, NY NO ZIP PROVIDED

Facility Id: NYP003630464

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 5200 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: 98 JERICO TPKE
Revised zip code: 11753

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

SYL00109124

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	200	POUNDS	GENERATED	1994

Map Identification Number 72 METRAN AUTOMATIC TRANS
48 JERICO TNPK
EPA (RCRA) Name: METRAN AUTOMATIC TRANS
EPA (RCRA) Address: 48 JERICO TNPK

JERICO, NY 11753

Facility Id: NYR000045559

JERICO, 11753

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)

Approximate distance from property: 5200 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: 48 JERICO TPKE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

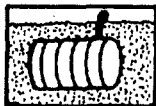
Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	Site reported by US EPA. No hazardous waste activity reported to NYS.				

SYL00109125

*** CHEMICAL STORAGE FACILITIES IDENTIFIED WITHIN THE SEARCH AREA ***

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 73**WELL #15**
SARATOGA DRIVE AND

JERICHO, NY 11791

Facility Id 1-000245**MAP LOCATION INFORMATION**Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 3360 feet to the NNW**ADDRESS CHANGE INFORMATION**Revised street: SARATOGA DR / CANTIAGUE ROCK RD
Revised zip code: 11753Expiration Date of the facility's registration certificate: 07/25/1995
Operator Name: JOSEPH M. PASSARIELLO
Site Status: INACTIVEFacility Phone #: (516) 921-8280
Site Type: MUNICIPALITY

TANK NUMBER	TANK STATUS	CHEMICAL NAME	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	DATE CLOSED
S15A	CLOSED-REMOVED	SODIUM HYDROXIDE	3000	UNDERGROUND VAULTED W/ ACCESS	05/69	00/00
S15B	CLOSED-REMOVED	SODIUM HYDROXIDE	5000	UNDERGROUND VAULTED W/ ACCESS	06/79	00/00

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
SODIUM HYDROXIDE	1310732	X		X		X	

Map Identification Number 74**WESTBURY ALLOYS**
750 SHAMES DR.

WESTBURY, NY 11590

Facility Id 1-000120**MAP LOCATION INFORMATION**Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 3373 feet to the NW**ADDRESS CHANGE INFORMATION**Revised street: NO CHANGE
Revised zip code: NO CHANGEExpiration Date of the facility's registration certificate: 06/20/2001
Operator Name: BOB SEROKA
Site Status: ACTIVEFacility Phone #: (516) 922-7231
Site Type: MANUFACTURING

TANK NUMBER	TANK STATUS	CHEMICAL NAME	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	DATE CLOSED
001	IN SERVICE	HYDROCHLORIC ACID	3000	ABOVEGROUND	01/89	
002	IN SERVICE	SODIUM CYANIDE (NA(CN))	1800	ABOVEGROUND ON LEGS RACKS ETC	06/89	

SYL00109126

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
HYDROCHLORIC ACID	7647010	X		X	X	X	
SODIUM CYANIDE (NA(CN))	143339	X	X	X	X		

SYL00109127



*** TOXIC AIR, LAND AND WATER RELEASES IDENTIFIED WITHIN THE SEARCH AREA ***

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 75 JOHN HASSALL, INC.**EPA Trl Id: 11590JHNHS6091C**
DEC Facility Id: 280773EPA (FINDS) Name: 609-1 CANTIAGUE ROCK
JOHN HASSALL INC.
EPA (FINDS) Address: 609-1 CANTIAGUE ROCK RD.

WEESTURY, NY 11590

WESTBURY, NY 11590

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE (1)

Approximate distance from property: 27.55 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: 609 CANTIAGUE ROCK RD

Revised zip code: NO CHANGE

CHEMICAL NAME	DISCHARGE AMT(LBS/YR)	YEAR DISCHARGED	RELEASE TYPE	MAXIMUM AMOUNT STORED (LBS)
NICKEL	1-10	94	TRANS TO PUBLICLY OWNED TREATMENT WORKS	1,000-9,999
COPPER	1-10	94	TRANS TO PUBLICLY OWNED TREATMENT WORKS	10,000-99,999

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
NICKEL	7440020	X	X	X	X		
COPPER	7440508	X	X		X		

SYL00109128

**** NO CIVIL ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN THE SEARCH AREA ****

SYL00109129

Hazardous waste codes presented in individual Toxic Information Profiles are defined below.

- B004 PCB Articles containing 50 ppm or greater of PCBs but less than 500 ppm PCBs excluding, small capacitors. This includes oil filled electrical equipment whose PCB concentration is unknown, except for circuit breakers, reclosers and cable
- D000
- D001 Solid waste that exhibits the characteristic of ignitability, but is not listed under any other hazardous waste code.
- D002 Solid waste that exhibits the characteristic of corrosivity, but is not listed under any other hazardous waste code.
- D003 Solid waste that exhibits the characteristic of reactivity, but is not listed under any other hazardous waste code.
- D004 Arsenic
- D005 Barium
- D006 Cadmium
- D007 Chromium
- D008 Lead
- D009 Mercury
- D011 Silver
- D018 BENZENE
- D039 Tetrachloroethylene
- F001 The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (T)
- F002 The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (T)
- F003 The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/blends containing, before use, only the above spent non-halogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above non-halogenated solvents, and, a total of ten percent or more (by volume) of one or more of those solvents listed

in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (I)*

F006 Wastewater treatment sludges from electroplating operations except from the following processes: (1) Sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum. (T)

F007 Spent cyanide plating bath solutions from electroplating operations. (R, T)

F008 Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process. (R, T)

F009 Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process. (R, T)

F015

K001 Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.

N001

N003

P030 Cyanides (soluble cyanide salts), not otherwise specified

U002 Acetone (I)

U184 Ethane, pentachloro-

U197 p-Benzoquinone

U226 Ethane, 1,1,1-trichloro-

X000

Source: U. S. Environmental Protection Agency

SYL00109131

How Toxic Site Locations Are Mapped

Toxics Targeting maps toxic site locations on a computerized version of the U. S. Census map using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each *Toxic Site Profile*, along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12

Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street

Anytown, NY 11797

MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a computerized version of the U. S. Census map. These site locations are identified "address-matched."

Note: Some sites have an address match location and a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

2) Some toxic sites are located using map coordinates provided by site owners/operators or government agencies. These site locations are identified "map coordinate." Map coordinates for Toxics Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect.

or Manual Mapping

or Site Visit

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

SYL00109132

Information Source Guide

Toxics Targeting's Computerized Environmental Reports contain government information compiled from 16 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information.

1) **Inactive Hazardous Waste Disposal Site Registry:** New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.²

Profile data updated through: 5/24/2000. Data obtained by Toxics Targeting: 10/5/2000.

New Facilities updated to: 6/30/2001. Data obtained by Toxics Targeting: 9/17/2001.

2) **CERCLIS:** Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. NPL sites are also included in CERCLIS. ASTM required.* Fannie Mae required.**

Source: U. S. Environmental Protection Agency.¹

Profile data updated through: 09/16/2002. Data obtained by Toxics Targeting: 09/26/2002.

New Facilities updated through: 09/16/2002. Data obtained by Toxics Targeting: 09/26/2002.

3) **National Priority List for Federal Superfund Cleanup:** Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. ASTM required.* Fannie Mae required.**

Source: U. S. Environmental Protection Agency.¹

Profile data updated through: 05/01/2002. Data obtained by Toxics Targeting: 09/25/2002.

New Facilities updated through: 09/16/2002. Data obtained by Toxics Targeting: 09/26/2002.

4) **Hazardous Substance Waste Disposal Site Study:** NYS database of waste disposal sites that may pose threats to public health or the environment, but cannot be remediated using monies from the Hazardous Waste Remedial Fund.

Source: New York State Department of Environmental Conservation.²

Data updated to: 5/16/2000. Data obtained by Toxics Targeting: 5/16/2000.

5) **Solid Waste Facilities:** NYS database of solid waste facilities, including, but not limited to, landfills, incinerators, transfer stations, recycling centers. ASTM required.* Fannie Mae required.**

Source: New York State Department of Environmental Conservation.²

Data updated to: 1/01/1998. Data obtained by Toxics Targeting: 6/30/1998.

Also includes a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.

Source: City of New York Dept. of Sanitation (1984). The Waste Disposal Problem in New York City: A Proposal For Action.

6) **Major Oil Storage Facilities:** NYS database of facilities licensed pursuant to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons. Data withheld by NYSDEC as of 4/1/2002. Fannie Mae required.**

Source: New York State Department of Environmental Conservation.²

New facilities updated through: 1/1/2002. New facilities data obtained by Toxics Targeting: 1/11/2002.

Tank data updated through: 1/1/2002. Tank data obtained by Toxics Targeting: 1/11/2002.

7) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the DEC's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law and the Resource Conservation and Recovery Act (RCRA).

ASTM required.* Fannie Mae required.**

Source: New York State Department of Environmental Conservation.²

New facilities updated through: 9/28/2000. New facilities obtained by Toxics Targeting: 10/5/2000.

Manifest transactions data updated to: 9/28/2000. Manifest transactions data obtained by Toxics Targeting: 10/5/2000.

(b) **Notifier Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

ASTM required.* Fannie Mae required.**

Source: U. S. Environmental Protection Agency.¹

New facilities updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

Data attributes updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

(c) **RCRA Violations Information:**

U. S. Environmental Protection Agency database of violations data reported for facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

Source: U. S. Environmental Protection Agency¹

New facilities updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

Data attributes updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

(d) **RCRIS Corrective Action Activity (CORRACTS) Information:** U. S. Environmental Protection Agency (EPA) database of hazardous waste facilities with corrective action activity. This data is part of the RCRIS National Oversight database.

Source: U. S. Environmental Protection Agency¹

Data updated through: 3/11/2002.

Data obtained by Toxics Targeting: 3/29/2002.

8) **Spills Information Database:** Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). The database includes *active* and *closed* spills reported before 03/01/2003.

Data updated on a rolling basis. ASTM required.* Fannie Mae.**

Source: NYS Department of Environmental Conservation.²

New spills through: 02/28/2003.

Most spill attribute data updated through 01/01/2002.

Limited spill attribute data updated to between 01/01/2002 and 02/28/2003. (See individual spill profiles.)

Active spills: paperwork not completed.

Closed spills: paperwork completed.

Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

9) **Petroleum Bulk Storage Facilities:** Local and State databases of aboveground and underground petroleum storage facilities with a combined storage capacity over 1,100 gallons. ASTM required.* Fannie Mae required.**

All New York Counties except Cortland, Nassau, Rockland, and Suffolk:

Source: NYS Department of Environmental Conservation.²

Update schedule: rolling basis; Data has been withheld by the NYSDEC since 4/1/2002.

Facility data updated through: 1/1/2002 (10/1/98 for Westchester Co.).

Facility data obtained by Toxics Targeting: 1/11/2002.

Tank data updated through: 1/1/2002 (10/1/98 for Westchester Co.).

Tank data obtained by Toxics Targeting: 1/11/2002.

Nassau County:

Heat producing products and other products with less than 1,000 gallons storage capacity:

Source: Nassau County Department of Health.³ Data update schedule: rolling basis

Data updated through: 10/4/2000.

Data obtained by Toxics Targeting: 11/5/2000.

Generally non-heat producing products with more than 1,000 gallons storage capacity:

Source: Nassau County Fire Marshall.⁴ Data update schedule: rolling basis with annual update

Data updated through: 9/27/1996 for mapped sites; 03/21/2000 for on-site checks.

Rockland County:

Source: Rockland County Department of Health.⁵ Data update schedule: rolling basis.

Data updated through: 8/11/1998.

Data obtained by Toxics Targeting: 8/17/1998.

Suffolk County:

Source: Suffolk County Department of Health Services.⁶ Data update schedule: annual update.

Data updated through: 1/12/1999.

Data obtained by Toxics Targeting: 2/26/1999.

10. **RCRA Hazardous Waste Generators and/or Transporters Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the New York State Department of Environmental Conservation's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law. ASTM required.* Fannie Mae required.**

Source: New York State Department of Environmental Conservation.²

New facilities updated through: 9/28/2000. New facilities obtained by Toxics Targeting: 10/5/2000.

Manifest transactions data updated to: 9/28/2000. Manifest transactions data obtained by Toxics Targeting: 10/5/2000.

(b) **RCRA Notifier Information:** U. S. Environmental Protection Agency database of hazardous waste facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

Source: U. S. Environmental Protection Agency¹

New facilities updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

Data attributes updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

(c) **RCRA Violations Information:** U. S. Environmental Protection Agency database of violations data reported for facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

Source: U. S. Environmental Protection Agency¹

New facilities updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

Data attributes updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

(d) **RCRIS Corrective Action Activity (CORRACTS) Information:** U. S. Environmental Protection Agency (EPA) database of hazardous waste facilities with corrective action activity. This data is part of the RCRIS National Oversight database.

Source: U. S. Environmental Protection Agency¹

Data updated through: 3/11/2002.

Data obtained by Toxics Targeting: 3/29/2002.

11) **Chemical Bulk Storage Facilities:** New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size. Data withheld by NYSDEC as of 4/1/2002. ASTM required.* Fannie Mae required.**

Source: New York State Department of Environmental Conservation.²

Data updated through: 1/1/2002.

Data obtained by Toxics Targeting: 1/11/2002.

12) **Toxic Release Inventory:** New York State and Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement** below.

Source: NYS Department of Environmental Conservation²/U. S. Environmental Protection Agency.¹

Data update schedule: rolling basis, with annual information summary for previous year's activities available from NYSDEC each July 1, with corrections and additional information available approximately mid-August.

Data updated through: 5/9/1996.

Data obtained by Toxics Targeting: 5/14/1996

13) **Air Discharge Facilities:** EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.

See Fannie Mae requirement** below.

Source: U. S. Environmental Protection Agency¹

Data updated through: 11/24/1999.

Data obtained by Toxics Targeting: 1/06/2000

14) **Toxic Wastewater Discharges (Permit Compliance System):** Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement** below.

Source: U. S. Environmental Protection Agency.¹

Data updated through: 9/23/1996.

Data obtained by Toxics Targeting: 9/30/1996

15) **U. S. Environmental Protection Agency Civil Enforcement Docket:** This database is the U. S. EPA's system for tracking civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.**

Source: U. S. Environmental Protection Agency.¹

Data update schedule: quarterly. Date updated: 4/1996.

Date information obtained by Toxics Targeting: 8/1996

16) **Emergency Response Notification System (ERNS):** Federal database of spills compiled by the Emergency Response Notification System. On-site searches only. ASTM required.* See Fannie Mae requirement** below.

Source: U. S. Environmental Protection Agency.¹

Data updated through: 1/31/2000.

Data obtained by Toxics Targeting: 2/15/2000

*American Society of Testing Materials Standards on Environmental Site Assessments for Commercial Real Estate (E 1527-93, E 1528-93).

** Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication; 5/94).

¹U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

²NYS Department of Environmental Conservation, 50 Wolf Road, Albany, NY 12233.

³Nassau County Department of Health, Bureau of Land Resources Management, 240 Old Country Road, Mineola, NY 11501.

⁴Nassau County Fire Commission, Office of the Fire Marshall, 899 Jerusalem Avenue, P. O. Box 128, Uniondale, NY 11553.

⁵Rockland County Department of Health, The Dr. Robert Yeager Health Center, Building D, Sanitorium Road, Pomona, NY 10970.

⁶Suffolk County Department of Health, Hazardous Materials Management, 15 Horseblock Place, Farmingville, NY 11738-1220.

Toxics Targeting Computerized Environmental Report

**Reported Hazardous Substance Sites
1/2-1 Mile SW
Hicksville, NY 11801**

April 07, 2003

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PLEASE REFER TO PAGES ONE AND FOUR FOR A DESCRIPTION OF SOME OF THE LIMITATIONS OF THIS COMPUTERIZED ENVIRONMENTAL REPORT.

Toxic Site Databases Analyzed In Your Report

Search Radius

Up to 2-Miles



1) *New York Inactive Hazardous Waste Disposal Site Registry*: a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

Up to 2-Miles



2) *CERCLIS* (Comprehensive Environmental Response, Compensation and Liability Information System): a federal listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

Up to 2-Miles



3) *National Priority List for Federal Superfund Cleanup*: a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

Up to 2-Miles



4) *New York Hazardous Substance Disposal Site Draft Study*: a state listing of sites contaminated with toxic substances that can pose environmental or public health hazards. These sites are not eligible for state clean up funding programs.

Up to 2-Miles



5) *New York Solid Waste Facilities Registry, including New York City 1934 Sites*: active and inactive landfills, incinerators, transfer stations or other solid waste management facilities.

Up to 2-Miles



6) *New York State Major Oil Storage Facilities*: sites with more than a 400,000 gallon capacity for storing petroleum products.

Up to 2-Miles



7) *New York and Federal Hazardous Waste Treatment, Storage or Disposal Facilities*: sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRIS). Also includes the following databases:

- *RCRA violations*: waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.
- *RCRIS corrective action activity (CORRACTS)*: waste facilities with RCRIS corrective action activity reported by the USEPA.

Up to 2-Miles



8) *New York and Local Petroleum Bulk Storage Facilities*: sites with more than an 1,100 gallon capacity for storing petroleum products.

Up to 2-Miles



9) ***New York and Federal Hazardous Waste Generators and Transporters:*** sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRA). Also includes the following databases:

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act .
- ***RCRIS corrective action activity (CORRACTS):*** waste facilities with RCRIS corrective action activity reported by the USEPA.

Up to 2-Miles



10) ***New York Chemical Bulk Storage Facilities:*** Sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

Up to 2-Miles



11) ***New York Toxic Release Inventory Facilities:*** discharges of selected toxic chemicals to air, land, water or treatment facilities.

Up to 2-Miles



12) ***Federal Civil Enforcement Docket:*** civil judiciary cases filed on behalf of the U. S. Environmental Protection Agency by the Department of Justice.

Limitations Of The Information In Your Report

The information presented in your *Computerized Environmental Report* has been obtained from various local, state and federal government agencies. Please be aware that: 1) additional information on individual sites may be available, 2) newly discovered sites are continually reported and 3) all map locations are approximate. As a result, this report is intended to be the FIRST STEP in the process of identifying and evaluating possible environmental threats to specific properties and can only serve as a guide for conducting on-site visits or additional, more detailed toxic hazard research.

Toxics Targeting tries to ensure that the information in your report is presented accurately and with minimal alteration. The only systematic changes that are made correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Please be aware of some other limitations of the information in your report:

- The computerized map used by *Toxics Targeting* is the same one used by the U. S. Census. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated on the Census map. FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;
- UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 12 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;
- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in zip code areas within one mile of the target address as well as toxic sites without zip codes reported in the same county. IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT TOXICS TARGETING AND REFER TO THE SITE ID NUMBER.
- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere. YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;
- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.
- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.

Section One:

Report Summary

- *Table One: Number of Identified Toxic Sites By Distance Interval*
- *Table Two: Identified Toxic Sites Ranked By Proximity*
- *Table Three: Identified Toxic Sites By Category*
- *Map One: Project Overview Map*
- *Map Two: Site Map*

NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

Database Searched	0 - 100 ft	100 ft - 1/8 mi	1/8 mi - 1/4 mi	1/4 mi - 1/2 mi	1/2 mi - 1 mi	Site(s) Category Totals
NYS Inactive Hazardous Waste Disposal Sites	Not searched	Not searched	Not searched	Not searched	12	12
CERCLIS Sites	Not searched	Not searched	Not searched	Not searched	1	1
National Priority List Sites	Not searched	Not searched	Not searched	Not searched	0	0
Hazardous Substance Waste Disposal Sites	Not searched	Not searched	Not searched	Not searched	0	0
NYS Solid Waste Facilities	Not searched	Not searched	Not searched	Not searched	0	0
NYS Major Oil Storage Facilities	Not searched	Not searched	Not searched	Not searched	0	0
RCRA Hazardous Waste Treatment, Storage, Disposal Sites	Not searched	Not searched	Not searched	Not searched	0	0
Local & State Petroleum Bulk Storage Sites	Not searched	Not searched	Not searched	Not searched	57	57
RCRA Hazardous Waste Generators & Transporters	Not searched	Not searched	Not searched	Not searched	52	52
NYS Chemical Bulk Storage Sites	Not searched	Not searched	Not searched	Not searched	5	5
Toxic Release Inventory Sites (TRI)	Not searched	Not searched	Not searched	Not searched	9	9
Civil Enforcement Docket Facilities	Not searched	Not searched	Not searched	Not searched	0	0
Distance Interval Totals	Not searched	Not searched	Not searched	Not searched	136	136

SYL00108363

Identified Toxic Sites by Proximity

Hazardous Substance - 1/2-1 Mile SW, Hicksville, NY 11801

* Compass directions can vary substantially for sites located very close to the subject property address.

Map Id#	Site Name	Site Street	Approximate Distance From Property	Toxic Site Category
13	BENITO, ANGLE	22 ELDERBERRY LA	2681 feet to the WSW	Petroleum Bulk Storage Site
14	FOLRES, FAUSTINO	18 ELDERBERRY LA	2692 feet to the WSW	Petroleum Bulk Storage Site
15	LOCKE, W. JUDGE	216 BOND ST	2801 feet to the SW	Petroleum Bulk Storage Site
16	ISAAC, RENEE	225 BOND ST	2825 feet to the SW	Petroleum Bulk Storage Site
17	WESTBURY NISSAN, LTD.	115 FROST ST.	2856 feet to the SSW	Petroleum Bulk Storage Site
18	AMAYA, JOSE	7 ELDERBERRY LA	2866 feet to the WSW	Petroleum Bulk Storage Site
1	FORMER AUTOLINE AUTOMOTIVE CORP.	101 FROST STREET	2907 feet to the SSW	NYSDEC Inactive Haz Waste Site
2	89 FROST STREET SITE	89 FROST STREET	2973 feet to the SSW	NYSDEC Inactive Haz Waste Site
19	DICKERSON, EUGENE	8 DOGWOOD LA	3041 feet to the W	Petroleum Bulk Storage Site
20	BARRETT, ALMETTA	240 BROOKLYN AVE	3051 feet to the WSW	Petroleum Bulk Storage Site
21	SPRINT SPECTRUM L.P.	75 FROST ST	3057 feet to the SSW	Petroleum Bulk Storage Site
22	TUROISE, DUMINGO	3 DOGWOOD LA	3124 feet to the W	Petroleum Bulk Storage Site
23	FRASER, JAMES	171 BOND ST	3160 feet to the SW	Petroleum Bulk Storage Site
70	LONG ISLAND QUALITY CLEAN	997 PROSPECT AVENUE	3176 feet to the SW	Hazardous Waste Generator/Transporter
71	SUPREME METAL	790 SUMMA AVENUE	3207 feet to the SSW	Hazardous Waste Generator/Transporter
72	ADVANCE FOOD SERVICE CO INC	790 SUMMA AVENUE	3207 feet to the SSW	Hazardous Waste Generator/Transporter
24	HERNANDEZ, ELEVTELIO	18 BRAMBLE LA	3236 feet to the W	Petroleum Bulk Storage Site
25	SPRUILL, RUTH	3 CLOVER LA	3273 feet to the W	Petroleum Bulk Storage Site
26	BROWN, CLARENCE	203 STATE ST	3304 feet to the SW	Petroleum Bulk Storage Site
27	BAZILE, STIME	165 BOND ST	3331 feet to the SW	Petroleum Bulk Storage Site
28	RUIZ, MANUEL	198 BROOKLYN AVE	3341 feet to the SW	Petroleum Bulk Storage Site
127	E-Z-EM INC.	751 SUMMA AVE.	3402 feet to the SSW	Toxic Release Inventory Site
73	EQUIPCO EQUIPMENT & SERVICE	745 SUMMA AVE	3462 feet to the SSW	Hazardous Waste Generator/Transporter
128	E-Z-EM INC.	750 SUMMA AVE.	3470 feet to the SSW	Toxic Release Inventory Site
129	E-Z-EM INC.	750 SUMMA AVE.	3470 feet to the SSW	Toxic Release Inventory Site
3	EZ-EM, INC.	750 SUMMA AVENUE	3472 feet to the SSW	NYSDEC Inactive Haz Waste Site
29	WESTBURY W.D.WELLS#12-12A	STATE ST.	3517 feet to the SW	Petroleum Bulk Storage Site
122	WESTBURY WATER DISTRICT	STATE STREET	3540 feet to the SW	Chemical Bulk Storage Facility
30	COMMERCIAL PROPERTY	96-102 BOND ST.	3548 feet to the SW	Petroleum Bulk Storage Site
31	MOTORWORKS	111 BOND ST.	3609 feet to the SW	Petroleum Bulk Storage Site
32	PARK AVE SCHOOL	PARK AVE.	3619 feet to the WSW	Petroleum Bulk Storage Site
130	TISHCON CORP.(STATE ST.FAC.)	125 STATE ST.	3812 feet to the SW	Toxic Release Inventory Site
74	ADCHEM CORPORATION	710 SUMMA AVE	3823 feet to the SSW	Hazardous Waste Generator/Transporter
4	TISHCON CORP. AT 125 STATE STREET	125 STATE STREET	3843 feet to the SW	NYSDEC Inactive Haz Waste Site
131	KLEARTONE INC.	695 SUMMA AVE.	3850 feet to the SSW	Toxic Release Inventory Site
123	KLEARTONE INC.	695 SUMMA AVE.	3865 feet to the SSW	Chemical Bulk Storage Facility
75	KLEAR TONE TRANSPARENT PACKAGING	695 SUMMA AVENUE	3872 feet to the SSW	Hazardous Waste Generator/Transporter
132	TISHCON CORP.(STATE ST.FAC.)	125 STATE ST.	3912 feet to the SW	Toxic Release Inventory Site
76	A M C JEEP	110 STATE ST& OLD COUNTRY RD	3965 feet to the SW	Hazardous Waste Generator/Transporter
77	MOLLA INCORPORATED	110 STATE STREET	3965 feet to the SW	Hazardous Waste Generator/Transporter
33	WESTBURY JEEP	110 STATE ST.	3967 feet to the SW	Petroleum Bulk Storage Site
34	YOUNG	203 KINKEL ST	4010 feet to the WSW	Petroleum Bulk Storage Site
35	DORSAINVIL	144 NEW YORK AVE	4025 feet to the SW	Petroleum Bulk Storage Site
78	LE BLAVI ASSOCIATES	770 MAIN ST	4049 feet to the SSW	Hazardous Waste Generator/Transporter
5	FORMER APPLIED FLUIDICS	770 MAIN STREET	4056 feet to the SSW	NYSDEC Inactive Haz Waste Site

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36	STROUD, VIVIAN	172 SYLVESTER ST	4076 feet to the SW	Petroleum Bulk Storage Site
37	SHAMIANA INTERNATL INC.	120 NEW YORK AVE.	4124 feet to the SW	Petroleum Bulk Storage Site
79	METPAR STEEL PRODUCTS CORP	97 STATE STREET	4126 feet to the SSW	Hazardous Waste Generator/Transporter
6	METPAR STEEL	95, 97 AND 99 STATE STREET	4141 feet to the SSW	NYSDEC Inactive Haz Waste Site
80	SKELTON SCREW MACHINE COMPANY	100 NEW YORK AVENUE	4197 feet to the SW	Hazardous Waste Generator/Transporter
38	S&B MACHINE WORKS	111 NEW YORK AVE.	4220 feet to the SW	Petroleum Bulk Storage Site
81	S & B MACHINE	111 NEW YORK AVENUE	4221 feet to the SW	Hazardous Waste Generator/Transporter
82	ENVIRONMENTAL CLEANUP CORP.	101 NEW YORK AVENUE	4305 feet to the SW	Hazardous Waste Generator/Transporter
83	ENVIRONMENTAL CLEANUP CORP	101 NEW YORK AVE	4305 feet to the SW	Hazardous Waste Generator/Transporter
133	E-Z-EM INC (MAIN STREET)	717 MAIN STREET	4316 feet to the SSW	Toxic Release Inventory Site
84	E-Z-EM	717 MAIN ST	4319 feet to the SSW	Hazardous Waste Generator/Transporter
85	UNITED ARTISTS COMMUNICATIONS	1400 OLD COUNTRY RD	4321 feet to the S	Hazardous Waste Generator/Transporter
39	B. DALTON BOOKSELLER	1400 OLD COUNTRY ROAD	4324 feet to the S	Petroleum Bulk Storage Site
40	CHAPMAN, EDWARD	158 KINKEL ST	4342 feet to the SW	Petroleum Bulk Storage Site
41	STAFFORD, MASON	163 KINKEL ST	4358 feet to the SW	Petroleum Bulk Storage Site
42	R.G.M. LEASING	90 NEW YORK AVE.	4361 feet to the SW	Petroleum Bulk Storage Site
86	FINE ART AUTO BODY	90 NEW YORK AVENUE	4361 feet to the SW	Hazardous Waste Generator/Transporter
87	UTILITY MFG CO INC	710-712 MAIN STREET	4379 feet to the SSW	Hazardous Waste Generator/Transporter
88	PRICE CLUB #226	1250 OLD COUNTRY RD	4404 feet to the S	Hazardous Waste Generator/Transporter
7	UTILITY MANUFACTURING/WONDER KING	700-712 MAIN STREET	4410 feet to the SSW	NYSDEC Inactive Haz Waste Site
43	UTILITY MFG. CO., INC.	700 MAIN ST.	4410 feet to the SSW	Petroleum Bulk Storage Site
44	UTILITY MANUFACTURING C	700 MAIN ST	4410 feet to the SSW	Petroleum Bulk Storage Site
45	HURON TOOL CO.	75 STATE STREET	4416 feet to the SSW	Petroleum Bulk Storage Site
89	HURON TOOL & DYE	75 STATE STREET	4416 feet to the SSW	Hazardous Waste Generator/Transporter
124	UTILITY MFG. CO. INC.	700 MAIN STREET	4416 feet to the SSW	Chemical Bulk Storage Facility
134	UTILITY MFG.CO.INC.	700 MAIN ST.	4422 feet to the SSW	Toxic Release Inventory Site
46	WESTBURY TOYOTA	1121 OLD COUNTRY RD.	4443 feet to the S	Petroleum Bulk Storage Site
47	DANIEL FINLEY ALLEN & C	114 SYLVESTER ST	4452 feet to the SW	Petroleum Bulk Storage Site
48	DANIEL FINLEY ALLEN & CO.	114 SYLVESTER ST.	4452 feet to the SW	Petroleum Bulk Storage Site
49	ARKWIN INDUSTRIES	686 MAIN ST.	4452 feet to the SSW	Petroleum Bulk Storage Site
90	ARKWIN INDUSTRIES INC	686 MAIN STREET	4452 feet to the SSW	Hazardous Waste Generator/Transporter
125	ARKWIN INDUSTRIES	686 MAIN ST.	4458 feet to the SSW	Chemical Bulk Storage Facility
135	ARKWIN INDUSTRIES	686 MAIN ST.	4463 feet to the SSW	Toxic Release Inventory Site
91	BIG KMART 7475	1220 OLD COUNTRY RD	4469 feet to the S	Hazardous Waste Generator/Transporter
50	THE PERMAFUSE CORP.	675 MAIN STREET	4470 feet to the SSW	Petroleum Bulk Storage Site
92	PERMAFUSE CORP THE	675 MAIN STREET	4470 feet to the SSW	Hazardous Waste Generator/Transporter
93	SPECTRONICS CORPORATION	956 BRUSH HOLLOW ROAD	4514 feet to the W	Hazardous Waste Generator/Transporter
94	SPECTRONICS	956 BRUSH HOLLOW RD	4514 feet to the W	Hazardous Waste Generator/Transporter
95	ALL - TRONICS	45 BOND STREET	4588 feet to the SSW	Hazardous Waste Generator/Transporter
96	NASSAU CTY FAMILY COURT	1200 OLD COUNTRY RD	4615 feet to the S	Hazardous Waste Generator/Transporter
51	N.C. FAMILY COURT COMPLEX	1200 OLD COUNTRY RD.	4620 feet to the S	Petroleum Bulk Storage Site
52	N C FAMILY COURT	1200 OLD COUNTRY ROAD	4620 feet to the S	Petroleum Bulk Storage Site
53	NC CHILDRENS SHELTER DE	CARMAN AVE	4620 feet to the S	Petroleum Bulk Storage Site
8	ARKWIN INDUSTRIES	648-656, 662-670 MAIN STREET, 66 BROOKLYN AVENUE	4627 feet to the SSW	NYSDEC Inactive Haz Waste Site
97	ADCHEM	655 MAIN STREET	4660 feet to the SSW	Hazardous Waste Generator/Transporter
54	ARKWIN INDUSTRIES	656 MAIN ST.	4668 feet to the SSW	Petroleum Bulk Storage Site
98	AUTO PLAZA DODGE	26 BOND ST	4708 feet to the SSW	Hazardous Waste Generator/Transporter
99	JESCO COMPANY	1099 OLD COUNTRY ROAD	4720 feet to the SSW	Hazardous Waste Generator/Transporter
100	WESTBURY AUTO PAINTING INCORPORATED	1099 OLD COUNTRY ROAD	4720 feet to the SSW	Hazardous Waste Generator/Transporter
55	COHEN, IRWIN	891 PROSPECT AVE	4738 feet to the WSW	Petroleum Bulk Storage Site
56	COHEN, IRWIN	891 PROSPECT AVE	4738 feet to the WSW	Petroleum Bulk Storage Site
57	COHEN, IRWIN	891 PROSPECT AVE	4738 feet to the WSW	Petroleum Bulk Storage Site
58	COHEN, IRWIN	891 PROSPECT AVE	4738 feet to the WSW	Petroleum Bulk Storage Site

9	NEW CASSEL INDUSTRIAL AREA	NO. OF OLD COUNTRY RD., SO. OF RAILROAD TRACKS	4823 feet to the SSW	CERCLIS/NYSDEC Inactive Haz Waste Site
101	NATIONWIDE ULTRASEAL	84 SYLVESTER ST	4826 feet to the SW	Hazardous Waste Generator/Transporter
102	PRECISION MECHANISMS CORP	44 BROOKLYN AVE	4840 feet to the SSW	Hazardous Waste Generator/Transporter
103	ANTHORSSENS ALL METAL	640 MAIN STREET	4856 feet to the SW	Hazardous Waste Generator/Transporter
59	VIGIOTTI RECYCLING CORP	100 URBAN AVE	4861 feet to the SW	Petroleum Bulk Storage Site
60	VIGLIOTTI RECYCLING CORP.	100 URBAN AVE.	4861 feet to the SW	Petroleum Bulk Storage Site
136	ADCHEM CORP	625 MAIN ST	4955 feet to the SW	Toxic Release Inventory Site
104	ADCHEM	625 MAIN STREET	4957 feet to the SW	Hazardous Waste Generator/Transporter
105	SARRO SALVAGE	69 SYLVESTER ST	4961 feet to the SW	Hazardous Waste Generator/Transporter
61	ADCHEM CORP	625 MAIN ST.	4962 feet to the SW	Petroleum Bulk Storage Site
106	DOAK PHARMACAL CO INC	67 SYLVESTER ST	4987 feet to the SW	Hazardous Waste Generator/Transporter
62	CAMPBELL, ROBERT	862 PARK AVE	4989 feet to the WSW	Petroleum Bulk Storage Site
107	GENOVESE DRUG STORES INC 162	1057 OLD COUNTRY RD	4993 feet to the SSW	Hazardous Waste Generator/Transporter
108	K & B AUTOMOTIVE	88 KINKLE ST	4994 feet to the SW	Hazardous Waste Generator/Transporter
109	ULTIMATE COLLISION REPAIRS	88 KINKEL STREET	4994 feet to the SW	Hazardous Waste Generator/Transporter
63	RUTIGLIANO PAPER STOCK,	84 KINKEL ST	5035 feet to the SW	Petroleum Bulk Storage Site
64	MORGAN FUEL (INA)	84 KINKEL ST	5035 feet to the SW	Petroleum Bulk Storage Site
110	MATTY SERVICE CENTER	84 KINKEL ST	5039 feet to the SW	Hazardous Waste Generator/Transporter
65	ISLAND INN LTD PARTNER	1050 OLD COUNTRY RD.	5042 feet to the SSW	Petroleum Bulk Storage Site
66	CAPTURE REALTY CORP	1025-1035 OLD COUNTRY RD.	5082 feet to the SSW	Petroleum Bulk Storage Site
10	TISHCON CORPORATION	31-33 BROOKLYN AVENUE & 30-36 NEW YORK AVENUE	5083 feet to the SSW	NYSDEC Inactive Haz Waste Site
111	FORTUNOFF	1044 OLD COUNTRY ROAD	5089 feet to the SSW	Hazardous Waste Generator/Transporter
112	HICKSVILLE AUTO BODY	603 MAIN STRETE	5102 feet to the SW	Hazardous Waste Generator/Transporter
113	TISCHON CORPORATION	17 BROOKLYN AVENUE	5103 feet to the SSW	Hazardous Waste Generator/Transporter
114	HERTZ CORPORATION	20 BROOKLYN AVE	5103 feet to the SSW	Hazardous Waste Generator/Transporter
115	PLAZA PONTIAC ISUZU	1015 OLD COUNTRY RD	5118 feet to the SSW	Hazardous Waste Generator/Transporter
67	BOBCAT OF NEW YORK	58 SYLVESTER ST.	5123 feet to the SW	Petroleum Bulk Storage Site
126	MARTIN REID PARK	URBAN AVE.	5129 feet to the SW	Chemical Bulk Storage Facility
116	FRANKS AUTO BODY INCORPORATED	19 STATE STREET	5132 feet to the SSW	Hazardous Waste Generator/Transporter
11	FORMER TISHCON CORPORATION	68 KINKEL STREET	5146 feet to the SW	NYSDEC Inactive Haz Waste Site
68	INDUSTRIAL METS INC.	68 KINKEL ST	5155 feet to the SW	Petroleum Bulk Storage Site
117	ULTIMATE COLLISION REPAIRS	69 KINKEL STREET	5166 feet to the SW	Hazardous Waste Generator/Transporter
118	B & L COLLISION INCORPOARTED	69A KINKEL STREET	5166 feet to the SW	Hazardous Waste Generator/Transporter
119	MOLTY-STRYK	49 SYLVESTER ST	5182 feet to the SW	Hazardous Waste Generator/Transporter
120	WESTPORT ASSOCIATES	1007 OLD COUNTRY RD (MEINEKE)	5199 feet to the SSW	Hazardous Waste Generator/Transporter
69	PARFUSE CORP.	65 KINKEL ST.	5209 feet to the SW	Petroleum Bulk Storage Site
121	PARFUSE CORPORATION	65 KINKEL STREET	5209 feet to the SW	Hazardous Waste Generator/Transporter
12	FORMER LAKA INDUSTRIES, INC.	62 KINKEL STREET	5211 feet to the SW	NYSDEC Inactive Haz Waste Site

Identified Toxic Sites by Category

Hazardous Substance - 1/2-1 Mile SW Hicksville, NY 11801

* Compass directions can vary substantially for sites located very close to the subject property address.

CERCLIS/NYSDEC Inactive Hazardous Waste Sites

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
9	130043	NEW CASSEL INDUSTRIAL AREA	NO. OF OLD COUNTRY RD., SO. OF RAILROAD TRACKS	4823 feet to the SSW

NYSDEC Inactive Hazardous Waste Sites

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
1	130043I	FORMER AUTOLINE AUTOMOTIVE CORP. ✓	101 FROST STREET	2907 feet to the SSW
2	130043L	89 FROST STREET SITE ✓	89 FROST STREET	2973 feet to the SSW
3	130043N	EZ-EM, INC.	750 SUMMA AVENUE	3472 feet to the SSW
4	130043C	TISHCON CORP. AT 125 STATE STREET ✓	125 STATE STREET	3843 feet to the SW
5	130043M	FORMER APPLIED FLUIDICS ✓	770 MAIN STREET	4056 feet to the SSW
6	130043G	METPAR STEEL	95, 97 AND 99 STATE STREET	4141 feet to the SSW
7	130043H	UTILITY MANUFACTURING/WONDER KING ✓	700-712 MAIN STREET	4410 feet to the SSW
8	130043D	ARKWIN INDUSTRIES	648-656, 662-670 MAIN STREET, 66 BROOKLYN AVENUE	4627 feet to the SSW
10	130043E	TISHCON CORPORATION	31-33 BROOKLYN AVENUE & 30-36 NEW YORK AVENUE	5083 feet to the SSW
11	130043F	FORMER TISHCON CORPORATION	68 KINKEL STREET	5146 feet to the SW
12	130043K	FORMER LAKA INDUSTRIES, INC.	62 KINKEL STREET	5211 feet to the SW

Petroleum Bulk Storage Sites

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
13	LG9600360	BENITO, ANGLE	22 ELDERBERRY LA	2681 feet to the WSW
14	LG9600426	FOLRES, FAUSTINO	18 ELDERBERRY LA	2692 feet to the WSW
15	LG9600407	LOCKE, W. JUDGE	216 BOND ST	2801 feet to the SW
16	LG9600398	ISAAC, RENEE	225 BOND ST	2825 feet to the SW
17	057549	WESTBURY NISSAN, LTD.	115 FROST ST.	2856 feet to the SSW
18	LG9600356	AMAYA, JOSE	7 ELDERBERRY LA	2866 feet to the WSW
19	LG9600399	DICKERSON, EUGENE	8 DOGWOOD LA	3041 feet to the W
20	LG9600412	BARRETT, ALMETTA	240 BROOKLYN AVE	3051 feet to the WSW
21	GS9600169	SPRINT SPECTRUM L.P.	75 FROST ST	3057 feet to the SSW
22	LG9600397	TUROISE, DUMINGO	3 DOGWOOD LA	3124 feet to the W
23	LG9600404	FRASER, JAMES	171 BOND ST	3160 feet to the SW
24	LG9600414	HERNANDEZ, ELEVTILIO	18 BRAMBLE LA	3236 feet to the W
25	LG9600401	SPRUIELL, RUTH	3 CLOVER LA	3273 feet to the W
26	LG9600402	BROWN, CLARENCE	203 STATE ST	3304 feet to the SW
27	LG9600355	BAZILE, STIME	165 BOND ST	3331 feet to the SW
28	LG9600375	RUIZ, MANUEL	198 BROOKLYN AVE	3341 feet to the SW
29	001320	WESTBURY W.D.WELLS#12-12A	STATE ST.	3517 feet to the SW
30	056116	COMMERCIAL PROPERTY	96-102 BOND ST.	3548 feet to the SW
31	057278	MOTORWORKS	111 BOND ST.	3609 feet to the SW
32	052330	PARK AVE SCHOOL	PARK AVE.	3619 feet to the WSW
33	055117	WESTBURY JEEP	110 STATE ST.	3967 feet to the SW
34	LG9600406	YOUNG	203 KINKEL ST	4010 feet to the WSW
35	LG9600405	DORSAINVIL	144 NEW YORK AVE	4025 feet to the SW
36	LG9600409	STROUD, VIVIAN	172 SYLVESTER ST	4076 feet to the SW
37	056678	SHAMIANA INTERNATL INC.	120 NEW YORK AVE.	4124 feet to the SW
38	003791	S&B MACHINE WORKS	111 NEW YORK AVE.	4220 feet to the SW
39	GS9600156	B. DALTON BOOKSELLER	1400 OLD COUNTRY ROAD	4324 feet to the S
40	LG9600408	CHAPMAN, EDWARD	158 KINKEL ST	4342 feet to the SW

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41	LG9600362	STAFFORD, MASON
42	055753	R.G.M. LEASING
43	000302	UTILITY MFG. CO., INC.
44	GS9600042	UTILITY MANUFACTURING C
45	000214	HURON TOOL CO.
46	057245	WESTBURY TOYOTA
47	GS9600160	DANIEL FINLEY ALLEN & C
48	055340	DANIEL FINLEY ALLEN & CO.
49	000100	ARKWIN INDUSTRIES
50	000035	THE PERMAFUSE CORP.
51	053093	N.C. FAMILY COURT COMPLEX
52	GS9600159	N C FAMILY COURT
53	GS9600143	NC CHILDRENS SHELTER DE
54	000397	ARKWIN INDUSTRIES
55	LG9600384	COHEN, IRWIN
56	LG9600386	COHEN, IRWIN
57	LG9600385	COHEN, IRWIN
58	LG9600383	COHEN, IRWIN
59	GS9600066	VIGIOTTI RECYCLING CORP
60	001188	VIGIOTTI RECYCLING CORP.
61	000254	ADCHEM CORP
62	LG9600374	CAMPBELL, ROBERT
63	IN9600158	RUTIGLIANO PAPER STOCK,
64	OL9600005	MORGAN FUEL(INA)
65	039021	ISLAND INN LTD PARTNER
66	056054	CAPTURE REALTY CORP
67	057402	BOBCAT OF NEW YORK
68	GS9600077	INDUSTRIAL METS INC.
69	000236	PARFUSE CORP.

163 KINKEL ST
 90 NEW YORK AVE.
 700 MAIN ST.
 700 MAIN ST
 75 STATE STREET
 1121 OLD COUNTRY RD.
 114 SYLVESTER ST
 114 SYLVESTER ST.
 686 MAIN ST.
 675 MAIN STREET
 1200 OLD COUNTRY RD.
 1200 OLD COUNTRY ROAD
 CARMAN AVE
 656 MAIN ST.
 891 PROSPECT AVE
 891 PROSPECT AVE
 891 PROSPECT AVE
 891 PROSPECT AVE
 100 URBAN AVE
 100 URBAN AVE.
 625 MAIN ST.
 862 PARK AVE
 84 KINKEL ST
 84 KINKEL ST
 1050 OLD COUNTRY RD.
 1025-1035 OLD COUNTRY RD.
 58 SYLVESTER ST.
 68 KINKEL ST
 65 KINKEL ST.

4358 feet to the SW
 4361 feet to the SW
 4410 feet to the SSW
 4410 feet to the SSW
 4416 feet to the SSW
 4443 feet to the S
 4452 feet to the SW
 4452 feet to the SW
 4452 feet to the SSW
 4470 feet to the SSW
 4620 feet to the S
 4620 feet to the S
 4620 feet to the S
 4668 feet to the SSW
 4738 feet to the WSW
 4738 feet to the WSW
 4738 feet to the WSW
 4738 feet to the WSW
 4861 feet to the SW
 4861 feet to the SW
 4962 feet to the SW
 4989 feet to the WSW
 5035 feet to the SW
 5035 feet to the SW
 5042 feet to the SSW
 5082 feet to the SSW
 5123 feet to the SW
 5155 feet to the SW
 5209 feet to the SW

Hazardous Waste Generators, Transporters

MAP ID	FACILITY ID	FACILITY NAME
70	NYD981490774	LONG ISLAND QUALITY CLEAN
71	NYD002034247	SUPREME METAL
72	NYD002035467	ADVANCE FOOD SERVICE CO INC
73	NYR000091181	EQUIPCO EQUIPMENT & SERVICE
74	NYR000013755	ADCHEM CORPORATION
75	NYD002059624	KLEAR TONE TRANSPARENT PACKAGING
76	NYD986909448	A M C JEEP
77	NYD002051076	MOLLA INCORPORATED
78	NYR000046011	LE BLAVI ASSOCIATES
79	NYD002041945	METPAR STEEL PRODUCTS CORP
80	NYD002056661	SKELTON SCREW MACHINE COMPANY
81	NYD981870165	S & B MACHINE
82	NYN40001A478	ENVIRONMENTAL CLEANUP CORP.
83	NYR000037606	ENVIRONMENTAL CLEANUP CORP
84	NYD987004835	E-Z-EM
85	NYD986908077	UNITED ARTISTS COMMUNICATIONS
86	NYD107655953	FINE ART AUTO BODY
87	NYD057731853	UTILITY MFG CO INC
88	NY0001039312	PRICE CLUB #226
89	NYD002413102	HURON TOOL & DYE
90	NYD002037513	ARKWIN INDUSTRIES INC

FACILITY STREET
 997 PROSPECT AVENUE
 790 SUMMA AVENUE
 790 SUMMA AVENUE
 745 SUMMA AVE
 710 SUMMA AVE
 695 SUMMA AVENUE
 110 STATE ST& OLD COUNTRY RD
 110 STATE STREET
 770 MAIN ST
 97 STATE STREET
 100 NEW YORK AVENUE
 111 NEW YORK AVENUE
 101 NEW YORK AVENUE
 101 NEW YORK AVE
 717 MAIN ST
 1400 OLD COUNTRY RD
 90 NEW YORK AVENUE
 710-712 MAIN STREET
 1250 OLD COUNTRY RD
 75 STATE STREET
 686 MAIN STREET

DISTANCE & DIRECTION
 3176 feet to the SW
 3207 feet to the SSW
 3207 feet to the SSW
 3462 feet to the SSW
 3823 feet to the SSW
 3872 feet to the SSW
 3965 feet to the SW
 3965 feet to the SW
 4049 feet to the SSW
 4126 feet to the SSW
 4197 feet to the SW
 4221 feet to the SW
 4305 feet to the SW
 4305 feet to the SW
 4319 feet to the SSW
 4321 feet to the S
 4361 feet to the SW
 4379 feet to the SSW
 4404 feet to the S
 4416 feet to the SSW
 4452 feet to the SSW

SYL00108368

91	NYR000092981	BIG KMART 7475
92	NYD002038784	PERMAFUSE CORP THE
93	NYD002044410	SPECTRONICS CORPORATION
94	NY0002044410	SPECTRONICS
95	NYD002035137	ALL - TRONICS
96	NYR000044636	NASSAU CTY FAMILY COURT
97	NYR000014241	ADCHEM
98	NYD981487853	AUTO PLAZA DODGE
99	NYD986873180	JESCO COMPANY
100	NYD054992839	WESTBURY AUTO PAINTING INCORPORATED
101	NYD030280184	NATIONWIDE ULTRASEAL
102	NYD002033231	PRECISION MECHANISMS CORP
103	NYD986889277	ANTHORSENS ALL METAL
104	NYD049207236	ADCHEM
105	NYD987011400	SARRO SALVAGE
106	NYD986898138	DOAK PHARMACAL CO INC
107	NYR000018184	GENOVESE DRUG STORES INC 162
108	NYD987032836	K & B AUTOMOTIVE
109	NYD981485519	ULTIMATE COLLISION REPAIRS
110	NYD986981488	MATTY SERVICE CENTER
111	NYD986974582	FORTUNOFF
112	NYD981483381	HICKSVILLE AUTO BODY
113	NYD986964849	TISCHON CORPORATION
114	NYD982533929	HERTZ CORPORATION
115	NYD153503206	PLAZA PONTIAC ISUZU
116	NYD982795239	FRANKS AUTO BODY INCORPORATED
117	NYD986900520	ULTIMATE COLLISION REPAIRS
118	NYD981484579	B & L COLLISION INCORPORATED
119	NYD980534184	MOLTY-STRYK
120	NYD986985232	WESTPORT ASSOCIATES
121	NYD072388044	PARFUSE CORPORATION

1220 OLD COUNTRY RD
675 MAIN STREET
956 BRUSH HOLLOW ROAD
956 BRUSH HOLLOW RD
45 BOND STREET
1200 OLD COUNTRY RD
655 MAIN STREET
26 BOND ST
1099 OLD COUNTRY ROAD
1099 OLD COUNTRY ROAD
84 SYLVESTER ST
44 BROOKLYN AVE
640 MAIN STREET
625 MAIN STREET
69 SYLVESTER ST
67 SYLVESTER ST
1057 OLD COUNTRY RD
88 KINKLE ST
88 KINKEL STREET
84 KINKEL ST
1044 OLD COUNTRY ROAD
603 MAIN STRETE
17 BROOKLYN AVENUE
20 BROOKLYN AVE
1015 OLD COUNTRY RD
19 STATE STREET
69 KINKEL STREET
69A KINKEL STREET
49 SYLVESTER ST
1007 OLD COUNTRY RD (MEINEKE)
65 KINKEL STREET

4469 feet to the S
4470 feet to the SSW
4514 feet to the W
4514 feet to the W
4588 feet to the SSW
4615 feet to the S
4660 feet to the SSW
4708 feet to the SSW
4720 feet to the SSW
4720 feet to the SSW
4826 feet to the SW
4840 feet to the SSW
4856 feet to the SW
4957 feet to the SW
4961 feet to the SW
4987 feet to the SW
4993 feet to the SSW
4994 feet to the SW
4994 feet to the SW
5039 feet to the SW
5089 feet to the SSW
5102 feet to the SW
5103 feet to the SSW
5103 feet to the SSW
5118 feet to the SSW
5132 feet to the SSW
5166 feet to the SW
5166 feet to the SW
5182 feet to the SW
5199 feet to the SSW
5209 feet to the SW

Chemical Bulk Storage Facilities

MAP ID	FACILITY ID	FACILITY NAME
122	1-000512	WESTBURY WATER DISTRICT
123	1-000217	KLEARTONE INC.
124	1-000063	UTILITY MFG. CO. INC.
125	1-000101	ARKWIN INDUSTRIES
126	1-000214	MARTIN REID PARK

FACILITY STREET
STATE STREET
695 SUMMA AVE.
700 MAIN STREET
686 MAIN ST.
URBAN AVE.

DISTANCE & DIRECTION
3540 feet to the SW
3865 feet to the SSW
4416 feet to the SSW
4458 feet to the SSW
5129 feet to the SW

Toxic Release Inventory Sites

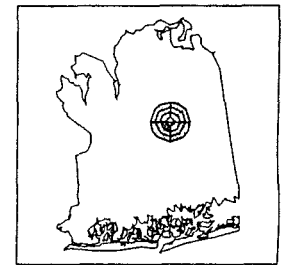
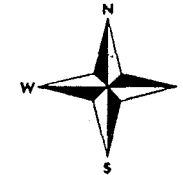
MAP ID	FACILITY ID	FACILITY NAME
127	280336	E-Z-EM INC.
128	11590 ZMNC750SU	E-Z-EM INC.
129	280338	E-Z-EM INC.
130	281640	TISHCON CORP.(STATE ST.FAC.)
131	280790	KLEARTONE INC.
132	281640	TISHCON CORP.(STATE ST.FAC.)
133	280340	E-Z-EM INC (MAIN STREET)
134	281690	UTILITY MFG.CO.INC.
135	280090	ARKWIN INDUSTRIES
136	280020	ADCHEM CORP

FACILITY STREET
751 SUMMA AVE.
750 SUMMA AVE.
750 SUMMA AVE.
125 STATE ST.
695 SUMMA AVE.
125 STATE ST.
717 MAIN STREET
700 MAIN ST.
686 MAIN ST.
625 MAIN ST

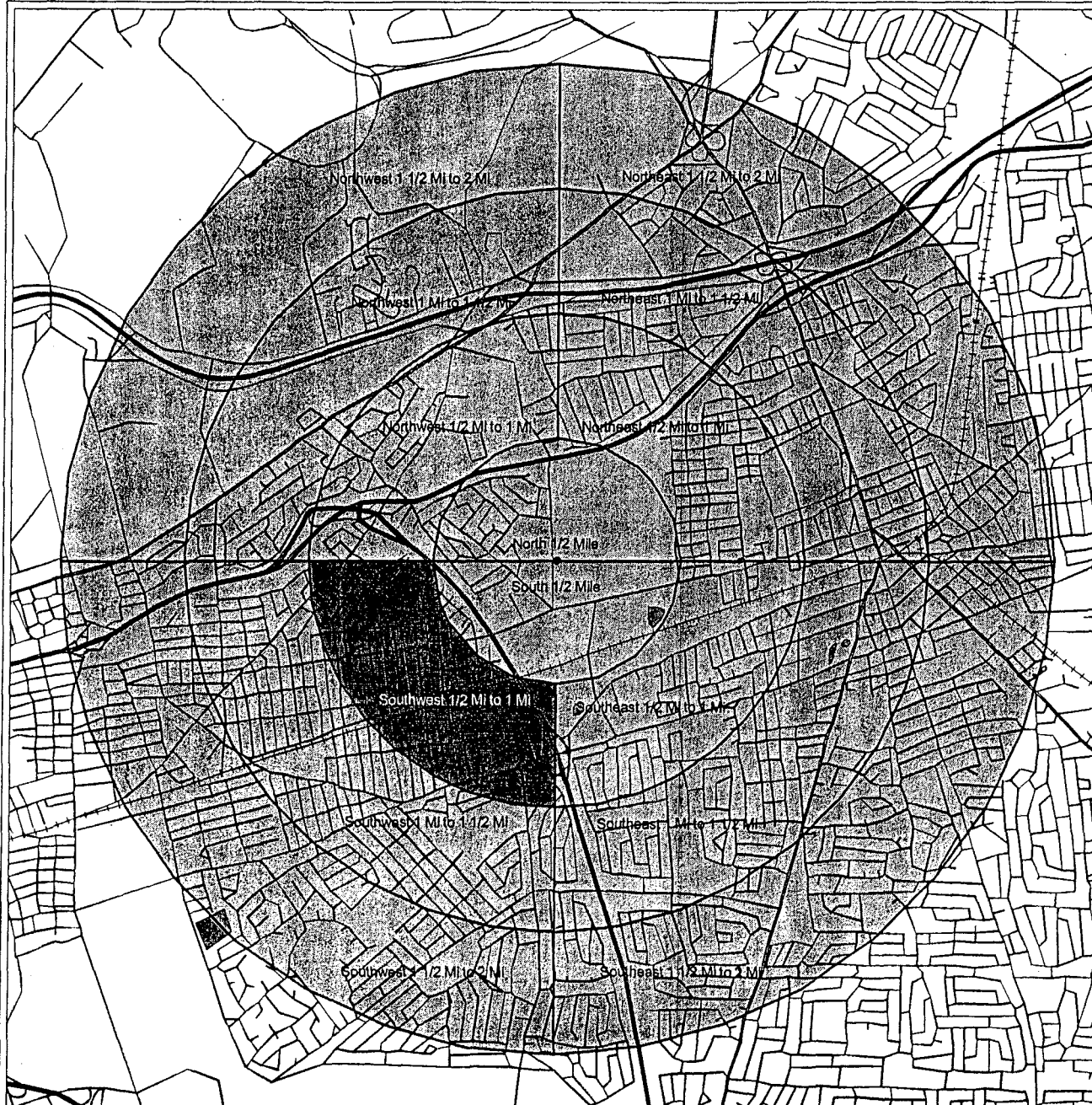
DISTANCE & DIRECTION
3402 feet to the SSW
3470 feet to the SSW
3470 feet to the SSW
3812 feet to the SW
3850 feet to the SSW
3912 feet to the SW
4316 feet to the SSW
4422 feet to the SSW
4463 feet to the SSW
4955 feet to the SW

SYL00108369

**Toxics Targeting
Project Area Overview Map**
with highlighted section for this report
Hazardous Substance - 1/2-1 Mile SW
Hicksville, NY 11801



Nassau County

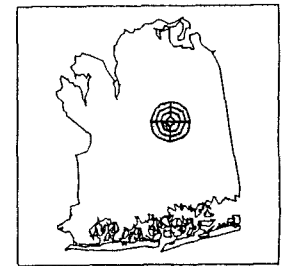
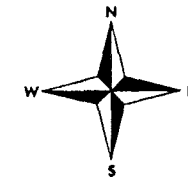


- | | | |
|--------------|-----------------|---------------|
| Project Area | Subject Area | Waterbody |
| Minor Roads | Major Roads | County Border |
| Expressways | Railroad Tracks | |

SYL00108370

Toxics Targeting Site Map

Hazardous Substance - 1/2-1 Mile SW
Hicksville, NY 11801



Nassau County

- NPL, CERCLIS, NYSDEC Inactive Hazardous Waste Disposal Registry or Registry Qualifying Site
- Hazardous Waste Treater, Storer, Disposer
- Hazardous Substance Waste Disposal Site
- Major Oil Storage Facility
- Hazardous Waste Generator, Transp.
- Civil Enforcement Docket Facility
- Solid Waste Facility
- Chemical Storage Facility
- Toxic Release
- Petroleum Bulk Storage Facility

- Subject Area
- Minor Roads
- Major Roads
- Expressways
- Waterbody
- County Border
- Railroad Tracks



Scale: 1 inch = 788 feet

SYL00108371

Section Two: Toxic Site Profiles

The heading of each *Toxic Site Profile* refers to the site's map location and details:

- The facility name, address, city, state, and zip code (This information does not appear in the headings for Inactive Hazardous Waste Disposal Sites).
- Any changes that were made to a site's address in order to map its location.
- The site mapping method that was used (see *How Sites are Located*, at the end of this section for more information).

Toxic Site Profiles summarize information provided by site owners or operators and government agencies regarding various toxic chemical activities reported at each site, such as:

- Whether chemicals were stored, produced, transported, discharged or disposed of.
- The name of chemicals and their Chemical Abstract Series (CAS) numbers;
- The amount of chemicals and the units (gallons/pounds) the chemical was measured in.
- Whether the site or storage tanks at the site are currently active or inactive.
- Special codes used by government agencies to regulate hazardous waste activities at some sites
(A complete description of the codes follows the profiles section).

For selected individual chemicals reported at various toxic sites, some potential health effect summary information appears below the site profile. Each potential health effect summary identifies chemicals by name and by Chemical Abstract Series (CAS) Number. An "x" under each potential health effect heading indicates positive toxicity testing results reported by the National Institute of Occupational Safety and Health's Registry of Toxic Effects of Chemical Substances (RTECS). Some chemicals (mostly appearing in profiles of Hazardous Waste facilities), are reported as mixtures, and RTECS health effect information is only available for individual chemicals. In addition, RTECS only provides information on approximately 100,000 common chemicals. Consequently, the absence of potential health effect summary information for a particular chemical identified in a Toxic Site Profile does not necessarily mean that the chemical does not pose potential health effects.

The Maximum Contaminant Level (MCL) in drinking water allowed for selected chemicals is also noted. In most cases, the only applicable MCL has been set by the New York State Department of Health (NYSDOH). Where NYSDOH has not set an MCL, the federal standard, if one exists, is listed and is marked by an asterisk.

Presented below are column headings that describe the health effect definitions used in RTECS and applicable New York State and federal drinking water standards. Reference sources for information presented in this section are also provided.

ACUTE TOX: **Acute Toxicity:** Short-term exposure to this chemical can cause lethal and non-lethal toxicity effects not included in the following four categories.

TUMOR TOX: **Tumorigenic Toxicity:** The chemical can cause an increase in the incidence of tumors.

MUTAG TOX: **Mutagenic Toxicity:** The chemical can cause genetic alterations that are passed from one generation to the next.

REPRO TOX: **Reproductive toxicity:** May signify one of the following effects: maternal effects, paternal effects, effects on fertility, effects on the embryo or fetus, specific developmental abnormalities, tumorigenic effects, or effects on the newborn (only positive reproductive effects data for mammalian species are referenced)

IRRIT TOX: **Primary Irritant:** The chemical can cause eye or skin irritation

MCL: **Drinking Water Standard - Maximum Contaminant Level (MCL)** listed under Drinking Water Supplies, 10 NYCRR Part 5, Subparts 1.51(f),(g), and (h) for NYDOH MCL's and under the Safe Drinking Water Act, 40 CFR 141, Subparts B and G, (* indicates value for total trihalomethanes) for federal MCL's.

Reference Source for Toxicity Information: Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH (on-line database); For further information, contact: NIOSH, 4676 Columbia Parkway, Cincinnati, OH, 45226, 800/35-NIOSH.

Reference Source for Drinking Water Standards: New York State Department of Health, Bureau of Toxic Substances Assessment, 2 University Place, Room 240, Albany, NY 12203, 518/458-6373.
U.S. Environmental Protection Agency, Office of Drinking Water, 401 M St SW, Mailstop WH-556, Washington, DC, 20460, 202/260-5700.

Inactive Hazardous Waste Disposal Site Classifications: 1 -- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or the environment -- immediate action required;
2 -- Significant threat to the public health or environment -- action required;
3 -- Does not Present a significant threat to the environment or public health -- action may be deferred;
4 -- Site properly closed --requires continued management;
5 -- Site properly closed, no evidence of present or potential adverse impact -- no further action required;
2a -- This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law.
D1, 2, 3 -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed)

SYL00108373



*** NPL/CERCLIS/INACTIVE HAZARDOUS WASTE DISPOSAL SITES IDENTIFIED WITHIN THE SEARCH AREA ***

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 1

FORMER AUTOLINE AUTOMOTIVE CORP.
101 FROST STREET

NORTH HEMPSTEAD (T), NY 11590

Facility Id: 130043I

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2907 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 2

REGION: 1

SITE CODE: 130043I

CLASSIFICATION CODE DESCRIPTION:

EPA ID: NYD001095363

Significant threat to the public health or environment - action required.

NAME OF SITE: Former Autoline Automotive Corp.

STREET ADDRESS: 101 Frost Street

TOWN/CITY: North Hempstead (T)

ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 1.7 Acres.

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: K.B. Company

ADDRESS...: 270 Broadway, Hicksville, NY 11801

OWNER DURING DISPOSAL:

NAME.....:

OPERATOR(S) DURING DISPOSAL:

NAME.....: Autoline Automotive Corp.

ADDRESS...: 101 Frost Street, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from 1984 to 1992

SITE DESCRIPTION:

This site is located near the end of Frost Street at the eastern end of the New Cassel Industrial Area. Distribution Systems of America, Inc. has no documented use of any chemical compounds. Former tenants, Autoline Automotive Corporation and National Bassen Textiles had documented use of degreasers and unknown chemicals, respectively. Two dry wells/cesspools are believed to have existed in the western portion of the site; Tetrachloroethylene (PCE) and 1,1,1-trichloroethane (TCA) related compounds were found in very high concentrations in

SYL00108374

the groundwater in this area of the site. Based upon the high downgradient versus upgradient groundwater levels of 1,1,1-trichloroethane and tetrachloroethylene and the high levels of both compounds found in the groundwater under the site, past disposal of hazardous waste is confirmed. The contaminated groundwater is located within an EPA designated sole-source aquifer. The contaminated plume that is emanating from this site has migrated approximately 1,000 feet downgradient. Two public water supply wells are located approximately 2,800 feet downgradient of the site. The site has received a State Superfund referral. The field work for an RI/FS was completed in October 1998 and the report was dated August 1999. A PRAP for Operable Unit 01-Soil was presented at a public meeting on February 3, 2000. Soil Vapor Extraction for the Deep Soil; Excavation and Off-site Disposal of Surface Soil; Removal of Dry Well Sediments by Vacuum Truck for on-site soil were the preferred remedies. The contaminated groundwater at the three Frost Street sites (Former Autoline Automotive, 89 Frost Street and Former Applied Fluidics) was the subject of a combined groundwater Proposed Remedial Action Plan for Operable Unit 02 presented at a public meeting February 3, 2000. The preferred remedy was Air Sparging/Soil Vapor Extraction Near Sources and In-well Air Stripping for Deep Groundwater contamination off site.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
Tetrachloroethylene	unknown
1,1,1-Trichloroethane	unknown

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-X	Soil-X	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:	Fine to medium grained sand and gravel.
GROUNDWATER DEPTH:	Range: 55 to 60 feet.

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed-X Under Design-	In Progress-	Completed-
NATURE OF ACTION:	Source removal, SVE & AS/AVE		

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Tetrachloroethylene and 1,1,1-trichloroethane compounds attributable to the various activities at this site have contaminated the groundwater within a sole-source aquifer at and downgradient of the site. Contamination has migrated approximately 1,000 feet downgradient. There are two public water supply wells located about 2,800 feet away from the site in the downgradient direction.

ASSESSMENT OF HEALTH PROBLEMS:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers.

SYL00108375

Map Identification Number 2 89 FROST STREET SITE
89 FROST STREET

NORTH HEMPSTEAD (T), NY 11590

Facility Id: 130043L

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2973 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 2

REGION: 1

SITE CODE: 130043L

CLASSIFICATION CODE DESCRIPTION:

EPA ID: NYD001095363

Significant threat to the public health or environment - action required.

NAME OF SITE: 89 Frost Street Site

STREET ADDRESS: 89 Frost Street

TOWN/CITY: North Hempstead (T)

ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 0.85 Acre

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: Jerry Spiegel

ADDRESS...: 270 North Broadway, Hicksville, NY 11801

OWNER DURING DISPOSAL:

NAME.....:

OPERATOR(S) DURING DISPOSAL:

NAME.....: ADCHEM Corporation

ADDRESS...: 625 Main Street, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from 1971 to 1973

SITE DESCRIPTION:

This site is located near the end of Frost Street at the eastern end of the New Cassel Industrial Area. The current occupant, KORG, has no documented use of any chemical compounds related to the contamination in the groundwater. Maven, Unicord, and Adchem have all occupied the site at different times in the past. Although there is no documentation that these occupants used volatile organic compound (VOC) related chemicals at this facility, at least one, Adchem, does have a history of VOC usage at other facilities in the New Cassel Industrial Area. Two dry wells/cesspools were documented to have existed in the western portion of this site and one in the eastern portion. High concentrations of tetrachloroethylene and related compounds were found in the groundwater at this site. Based upon the high downgradient versus upgradient groundwater levels of tetrachloroethylene and the high levels of tetrachloroethylene found in the groundwater under the site, past disposal of hazardous waste is

SYL00108376

confirmed. The contaminant plume that is emanating from this site has migrated approximately 1,000 feet downgradient. Two public water supply wells are located approximately 2,800 feet downgradient of the site. A standby consultant was authorized to implement a RI/FS. The field work was completed in September 1998 and a final report was dated August 1999. A Proposed Remedial Action Plan for Operable Unit 01- Soil was presented at a public meeting February 3, 2000 and Soil Vapor Extraction for the Deep Soil was the preferred remedy for on-site soil. The contaminated groundwater at the three Frost Street sites (Former Autoline Automotive, 89 Frost Street and Former Applied Fluidics) was the subject of a combined groundwater Proposed Remedial Action Plan for Operable Unit 02 which was presented at a public meeting February 3, 2000. The preferred remedy was Air Sparging/Soil Vapor Extraction for Near Sources and In-well Air Stripping for Deep Groundwater contamination off site.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY				
Tetrachloroethylene	unknown				
ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-X	Soil-X	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Fine to medium grained sand and gravel.
 GROUNDWATER DEPTH: Range: 55 to 60 feet.

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed-X Under Design-	In Progress-	Completed-
NATURE OF ACTION:	SVE - deep soil & AS/SVE & air stripping - gw		

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Tetrachloroethylene compounds attributable to the various activities at this site have contaminated the groundwater within a sole-source aquifer at and downgradient of the site. Contamination has migrated approximately 1,000 feet downgradient. There are two public water supply wells located about 2,800 feet away from the site in the downgradient direction.

ASSESSMENT OF HEALTH PROBLEMS:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers.

SYL00108377

Map Identification Number 3 EZ-EM, INC.
750 SUMMA AVENUE

NORTH HEMPSTEAD (T), NY 11590 Facility Id: 130043N

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 3472 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 750 SUMMA AVE
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 4

REGION: 1

SITE CODE: 130043N

CLASSIFICATION CODE DESCRIPTION:

EPA ID: NYD001095363

Site is properly closed - requires continued management.

NAME OF SITE: EZ-EM, Inc.

STREET ADDRESS: 750 Summa Avenue

TOWN/CITY: North Hempstead (T)

ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 2.3 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: EZ-EM, Inc.

ADDRESS...: 750 Summa Avenue, Westbury, NY 11590

OWNER DURING DISPOSAL:

NAME.....: ** Multi - Site Operators **

OPERATOR(S) DURING DISPOSAL:

NAME.....:

ADDRESS...:

NAME.....:

ADDRESS...:

HAZARDOUS WASTE DISPOSAL PERIOD: from 1968 to 1985

SITE DESCRIPTION:

This site consists of buildings, roadways and parking lots. The building is a two story office/warehouse with a 70,000 sq. ft. footprint. The site was occupied by Advance Food Service Equipment Manufacturing, a stainless steel kitchen equipment supplier, from 1968 to 1991. Micro Industries, a machine shop, occupied the site from 1971 to 1982. Since 1982, EZ-EM has been at the site. Records indicate that Advance Food Service stored or used 111-TCA and solvents at the site. A degreaser vat was located in the southwest corner of the building. The Nassau County Department of Health (NCDOH) had the floor drain sealed in 1978. 480 ppb of 111-TCA was detected in dry well samples and in 1985 the degreaser was removed. In 1978, records show that the degreaser sludge (111-TCA & waste oil) was stored in drums

SYL00108378

in the rear of the facility. Higher levels of contamination are found in the groundwater at the area of the building where former disposal had taken place, relative to low upgradient concentrations. However, the extent and level of contamination appears to be localized and of minor consequence when considered in light of the nearby areas of contamination. The contaminated groundwater is located within an EPA designated sole-source aquifer. Two public water supply wells are located approximately 2,800 feet downgradient of the site.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
111 - TCA (F001 Waste)	unknown

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-X	Soil-X	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Fine to medium grained sand and gravel.
GROUNDWATER DEPTH: Range: 50 to 55 feet.

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-X
NATURE OF ACTION:	Degreaser sludge removal		

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Environmental sampling has confirmed groundwater contamination in the former disposal area at this site. The contamination is localized. The site is located within an EPA designated sole source aquifer and is approximately 2,800 feet upgradient of a public water supply system.

ASSESSMENT OF HEALTH PROBLEMS:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers.

Map Identification Number 4 TISHCON CORP. AT 125 STATE STREET
125 STATE STREET

Facility Id: 130043C
NORTH HEMPSTEAD (T), NY 11590

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 3843 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 125 STATE ST
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - NYSDEC REGISTRY - X

SYL00108379

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 4

REGION: 1

SITE CODE: 130043C

CLASSIFICATION CODE DESCRIPTION:

EPA ID: NYD001095363

Site is properly closed - requires continued management.

NAME OF SITE: Tishcon Corp. at 125 State Street

STREET ADDRESS: 125 State Street

TOWN/CITY: North Hempstead (T)

ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 1 Acre

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: C & O Realty

ADDRESS...: 50 Urban Area, Westbury, NY 11590

OWNER DURING DISPOSAL:

NAME.....: Mr. William Gross

OPERATOR(S) DURING DISPOSAL:

NAME.....: Tishcon Corporation

ADDRESS...: 125 State Street, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from unknown to present

SITE DESCRIPTION:

The site is located at the end of State Street bordering the Long Island Railroad tracks in the New Cassel Industrial Area. The nearest water body is Hempstead Bay, approximately 6 miles southwest of the site, and nearest water supply well is approximately 2,700 feet south. The prior occupant was in the business of manufacturing diet pills, with tablet-coating and warehousing operations being conducted on site. 1,1,1-trichloroethane (TCA) was used during these operations. Nassau County Department of Health records indicate the removal of 550 gallons of 1,1,1-trichloroethane waste sludge from the site in 1992, along with other instances of sludge removals with no volumes noted. A NYSDEC site inspection conducted in 1994 revealed three leachpools along the southern boundary of the site. According to on-site personnel, process waters were discharged to the pools, with staining noted in and around the pools. Subsequent groundwater samples were collected downgradient of the property, and were found to contain high levels of 1,1,1-trichloroethane & 1,1-dichloroethane. The Focused Remedial Investigation (FRI) was implemented in August 1996. The results of the RI indicated that the storm drains 1,2,4 and distribution box 5 should be cleaned out. The Potentially Responsible Party (PRP) performed the remediation of the storm drains 2,4 and 5 in October 1997 as an Interim Remedial Measure (IRM). The remaining storm drain 1 was completed in May 1998 as a Remedial Action (RA) in conformance with the Record of Decision. The significant threat from contaminants at the site has been mitigated by the removal of the storm drain source areas and the subsequent reduction in groundwater contaminant levels. Long term monitoring of the groundwater commenced in June 1998.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE

QUANTITY

SYL00108380

1,1,1-Trichloroethane {(TCA) (F002 Waste)}-----
unknown

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-X	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Fine to medium grained sand and gravel.
GROUNDWATER DEPTH: Range: 50 to 55 feet.

LEGAL ACTION:	Type: Consent Order -RI/FS	State-X	Federal-
STATUS:	Negotiation in Progress-	Order Signed-X	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-X
NATURE OF ACTION:	Soil removal, storm drains cleaned.		

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

The significant threat from contaminants at the site has been mitigated by the removal of the storm drain source areas and the and the subsequent reduction in groundwater contaminant levels. Long term monitoring of the groundwater commenced in June 1998.

ASSESSMENT OF HEALTH PROBLEMS:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers.

Map Identification Number 5

FORMER APPLIED FLUIDICS
770 MAIN STREET

NORTH HEMPSTEAD (T), NY 11590

Facility Id: 130043M

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4056 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 2

REGION: 1

SITE CODE: 130043M

EPA ID: NYD001095363

CLASSIFICATION CODE DESCRIPTION:

Significant threat to the public health or environment - action required.

SYL00108381

NAME OF SITE: Former Applied Fluidics

STREET ADDRESS: 770 Main Street

TOWN/CITY: North Hempstead (T)

ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 0.63 Acre

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: Emily Spiegel Trust et. al.

ADDRESS...: 270 North Broadway, Hicksville, NY 11801

OWNER DURING DISPOSAL:

NAME.....: Applied Fluidics

OPERATOR(S) DURING DISPOSAL:

NAME.....: Applied Fluidics Div. - Allard Instr

ADDRESS...: 770 Main Street, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from 1975 to 1988

SITE DESCRIPTION:

This site is located at the east end of Main Street in the eastern end of the New Cassel Industrial Area. The current occupant, Coronet Juvenile Furniture, has no documented usage of the chemicals related to the groundwater contamination. The prior occupant, Applied Fluidics, had documented usage of trichloroethylene (TCE), as well as other compounds containing tetrachloroethylene (PCE) related contaminants. Soil samples collected in close proximity to a drywell/cesspool at depths of 15 to 17 feet and 17 to 19 feet contained PCE at concentrations of 70 to 390 ppb, respectively. High concentrations of PCE have been detected in the groundwater under this site. Site operations have contaminated groundwater beneath and downgradient of the site with high levels of PCE. The contaminated groundwater is located within an EPA designated sole-source aquifer. The contaminant plume that is emanating from the site has migrated approximately 400 feet downgradient of the site. Two public water supply wells are located approximately 2,100 feet downgradient of the site. Thus this site poses a significant threat to the public health and the environment. This site has received a State Superfund referral. A standby consultant was authorized to implement a RI/FS. The field work was completed in September 1998. The site owner has built a new store on this property. The RI/FS was completed and the report was dated August 1999. A Proposed Remedial Action Plan for Operable Unit 01- Soil was presented at a public meeting September 30, 1999. The preferred remedy was No Action for on-site soil. The contaminated groundwater at the three Frost Street sites (Former Autoline Automotive, 89 Frost Street and Former Applied Fluidics) was the subject of a combined groundwater Proposed Remedial Action Plan for Operable Unit 02 presented at a public meeting February 3, 2000. The preferred remedy was Air Sparging/Soil Vapor Extraction Near Sources and In-well Air Stripping for Deep Groundwater contamination off site.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
Tetrachloroethylene	unknown
Trichloroethylene	unknown

ANALYTICAL DATA AVAILABLE FOR: Air- Surface Water- Groundwater-X Soil-X Sediment-

SYL00108382

APPLICABLE STANDARDS EXCEEDED IN: Groundwater-X Drinking Water- Surface Water- Air-

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Fine to medium grained sand and gravel.
GROUNDWATER DEPTH: Range: 55 to 60 feet.

LEGAL ACTION: Type: State- Federal-
STATUS: Negotiation in Progress- Order Signed-
REMEDIAL ACTION: Proposed-X Under Design- In Progress- Completed-
NATURE OF ACTION: AS/SVE gw & In-well air stripping - deep gw

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Past site operations have contaminated the groundwater within a sole-source aquifer at and downgradient of the site with high levels of tetrachloroethylene.

ASSESSMENT OF HEALTH PROBLEMS:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers.

Map Identification Number 6 **METPAR STEEL**
95, 97 AND 99 STATE STREET

WESTBURY, NY 11590

Facility Id: 130043G

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4141 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 97 STATE ST
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: D1
CLASSIFICATION CODE DESCRIPTION:
Delisted site - hazardous waste not found

REGION: 1

SITE CODE: 130043G
EPA ID: NYD001095363

NAME OF SITE: Metpar Steel
STREET ADDRESS: 95, 97 and 99 State Street
TOWN/CITY: Westbury

ZIP: 11590

COUNTY: Nassau

SYL00108383

ESTIMATED SIZE: 1.75 Acres

CURRENT OWNER(S) :

OWNER DURING DISPOSAL:

OPERATOR(S) DURING DISPOSAL:

NAME.....: Metpar Steel
ADDRESS...: 95 State Street, Westbury, NY 11590

SITE DESCRIPTION:

Flat topography: Industrial area Nearest Surface Water Body: Hempstead Bay, approximately 6 miles southwest Nearest Water Supply Well: Approximately 1,300 feet north This site is located on State Street just below Summa Avenue in the New Cassel Industrial Area. The current occupant manufactures steel and formica partitions and doors. Production activities include fabrication, wood working, assembly, finishing and shipping. Large volumes of adhesives, paints and paint solvents are used as part of the process. Nassau County Department of Health (NCDOH) records indicate that Metpar used up to 2,000 gallons per year of 1,1,1-trichloroethane (TCA) as a machine lubricant/cleaner. NCDOH site inspection also revealed TCA waste in an on-site cesspool. Downgradient groundwater sampling done by NYSDEC in 1994 showed elevated levels of TCA. A Focused Source Area Remedial Investigation workplan was approved in December 1995. Fieldwork began in February 1996 and was completed in April.

TYPE

1,1,1-Trichloroethane { (TCA) (F002 Waste) }

QUANTITY

unknown

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-X	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	

SOIL/ROCK TYPE: Medium to fine grained sand and gravel
GROUNDWATER DEPTH: Varies from 50-52 feet

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-X	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-
NATURE OF ACTION:			

Past site operations have contaminated the groundwater beneath the site with TCA. The contaminated groundwater is located within an EPA-designated sole-source aquifer. Further sampling is required in order to fully delineate the extent of contamination.

SYL00108384

ASSESSMENT OF HEALTH PROBLEMS:

Groundwater is the primary source of drinking water in the area, and multiple groundwater contaminant plumes in the New Cassel Industrial Park have been identified. Monitoring wells located within the area contained several volatile organic compounds (VOCs) in excess of NYS drinking water standards. Public water supply wells are located 300 to 500 meters downgradient of the industrial area and are contaminated with low levels of VOCs that do exceed the drinking water standards. These wells are being treated with granular activated carbon filtration units to remove contaminants before water is distributed to customers.

Map Identification Number 7

UTILITY MANUFACTURING/WONDER KING
700-712 MAIN STREET

NORTH HEMPSTEAD (T), NY 11590

Facility Id: 130043H

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4410 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 706 MAIN ST
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 2

REGION: 1

SITE CODE: 130043H

CLASSIFICATION CODE DESCRIPTION:

EPA ID: NYD001095363

Significant threat to the public health or environment - action required.

NAME OF SITE: Utility Manufacturing/Wonder King
STREET ADDRESS: 700-712 Main Street
TOWN/CITY: North Hempstead (T) ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 0.85 Acre

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME..... Nest Equities, Inc.
ADDRESS... 700 Main Street, Westbury, NY 11590

OWNER DURING DISPOSAL:

NAME..... Nest Equities, Inc.

OPERATOR(S) DURING DISPOSAL:

NAME..... Utility Manufacturing / Wonder King
ADDRESS... 700-712 Main Street, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from 1977 to present

SYL00108385

SITE DESCRIPTION:

This site is located near the east end of Main Street at the eastern end of the New Cassel Industrial Area. The current occupant is in the business of blending and repackaging cleaning materials and plumbing and heating supplies. The bulk products are shipped in, blended and repackaged for individual resale. There is documented use of a number of hazardous compounds at this site, including tetrachloroethylene (PCE) and trichloroethylene (TCE), as well as a history of discharge to cesspools and dry wells at the site. Downgradient concentrations of PCE-related compounds were found to be significantly higher than those found upgradient of the site. Past (and present) site operations have contaminated groundwater beneath and downgradient of the site with high levels of PCE. The contaminated groundwater is located within an EPA designated sole-source aquifer. The contaminant plume emanating from the site has migrated approximately 200 feet downgradient. Two public supply wells are located approximately 2,100 feet downgradient of the site, consequently this site poses a significant threat to the public health and the environment. The records of the Nassau County Department of Health indicate that contaminated liquids and sediments were removed from two sanitary leach pools and six dry wells in November 1989. This contamination consisted of volatile organic compounds including PCE and TCE. A Consent Order was signed in December 1997 for a Focused Remedial Investigation and Feasibility Study. The field work was completed in July 1998.000

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
Tetrachloroethylene	unknown
Trichloroethylene	unknown

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-X	Soil-X	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE:	Fine to medium grained sand and gravel.
GROUNDWATER DEPTH:	Range: 55 to 60 feet.

LEGAL ACTION:	Type: Consent Order	State-X	Federal-
STATUS:	Negotiation in Progress-	Order Signed-X	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-
NATURE OF ACTION:			

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Past (and present) site operations have contaminated the groundwater within a sole-source aquifer at and downgradient of the site with high levels of tetrachloroethylene.

ASSESSMENT OF HEALTH PROBLEMS:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers.

SYL00108386

Map Identification Number 8

ARKWIN INDUSTRIES

648-656, 662-670 MAIN STREET, 66 BROOKLYN AVENUE NORTH HEMPSTEAD (T), NY 11590

Facility Id: 130043D

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 4627 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: MAIN ST / BROOKLYN AVE

Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 2

REGION: 1

SITE CODE: 130043D

CLASSIFICATION CODE DESCRIPTION:

EPA ID: NYD001095363

Significant threat to the public health or environment - action required.

NAME OF SITE: Arkwin Industries

STREET ADDRESS: 648-656, 662-670 Main Street, 66 Brooklyn Avenue

TOWN/CITY: North Hempstead (T)

ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 1.5 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: Arkwin Industries

ADDRESS...: 686 Main Street, Westbury, NY 11590

OWNER DURING DISPOSAL:

NAME.....: Arkwin Industries

OPERATOR(S) DURING DISPOSAL:

NAME.....: Arkwin Industries

ADDRESS...: 686 Main Street, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from 1970s to unknown

SITE DESCRIPTION:

These properties are located on the south side of Main Street between New York Avenue and State Street in the New Cassel Industrial Area. The nearest water body is Hempstead Bay, approximately 6 miles southwest and the nearest water supply well is approximately 1,800 feet south of the site. The occupant of the various properties conducts machine shop operations, including honing and grinding, degreasing and non-destructive testing. Large amounts of petroleum based oils and lubricants, and 1,1,1-trichloroethane (TCA) are used and stored on site as part of daily site operations. According to the Nassau County Department of Health, Arkwin uses between 275-550 gallons of TCA per year. At least six abandoned leachpools were identified as part of a NYSDEC site inspection conducted in 1994, and were presumably used for the disposal of oils, lubricants, solvents and other waste materials. Subsequent downgradient groundwater sampling revealed high levels of TCA. The leachpools were sampled

SYL00108387

as part of a Focused Remedial Investigation (FRI) in August 1996. The only leachpool with soil contamination above standards is DWX8. Arkwin removed the contamination from DWX8 as an Interim Remedial Measure (IRM) in June 1997. The Soil Operable Unit 01 (OU1) is now complete and a Record of Decision (ROD) was issued in January 1998. Contaminated groundwater beneath the site was addressed during an RI for Operable Unit 02 (OU2) - Groundwater. Sampling for OU2 was completed in October 1998. A ROD was executed that requires an AS/SVE System to address the shallow on-site groundwater contamination.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY				
1,1,1-Trichloroethane { (TCA) (F001 Waste) }	unknown				
ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-X	Soil-X	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Fine to medium grained sand and gravel.
 GROUNDWATER DEPTH: Range: 50 to 55 feet.

LEGAL ACTION:	Type: Consent Order	State-X	Federal-
STATUS:	Negotiation in Progress-	Order Signed-X	
REMEDIAL ACTION:	Proposed-X Under Design-	In Progress-	Completed-
NATURE OF ACTION:	Groundwater remediation		

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Past site operations have contaminated groundwater beneath and downgradient of the site with TCA. The contaminated groundwater is located within an EPA designated sole-source aquifer. The contaminant plume that is partially emanating from this site has migrated approx. 1,300 ft. downgradient. Two public water supply wells are 1,800 ft. downgradient.

ASSESSMENT OF HEALTH PROBLEMS:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers.

Map Identification Number 9

NEW CASSEL INDUSTRIAL AREA
 NO. OF OLD COUNTRY RD., SO. OF RAILROAD TRACKS

NEW CASSEL, NY 11590

Facility Id: 130043

EPA Facility Name:

NEW CASSEL INDUSTRIAL AREA
 MAIN STREET

HEMPSTEAD, NY 11550

EPA Facility Id: NY0001095363

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE (1)
 Approximate distance from property: 4823 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

SYL00108388

SITE DESIGNATION: NPL - CERCLIS - X NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATIONCLASSIFICATION CODE: D3
CLASSIFICATION CODE DESCRIPTION:

REGION: 1

SITE CODE: 130043
EPA ID: NYD001095363

Delisted site - consolidated site or site incorrectly listed

NAME OF SITE: New Cassel Industrial Area
STREET ADDRESS: No. of Old Country Rd., So. of Railroad Tracks
TOWN/CITY: New Cassel ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 170 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME..... Estate of Bishop Andrei Kuschak
ADDRESS... 90-10 180th Street, Jamaica, NY 11432
NAME..... Supreme Edgelight
ADDRESS... 5 Bond Street, Westbury, NY 11590
NAME..... Korg USA, Inc.
ADDRESS... 75 Frost Street, Westbury, NY 11590
NAME..... Contemporary Packaging
ADDRESS... 90 Hopper Street, Westbury, NY 11590
NAME..... Praec Tool Company
ADDRESS... 512 Main Street, Westbury, NY 11590
NAME..... Freund Woodworking
ADDRESS... 589 Main Street, Westbury, NY 11590
NAME..... MTD Knits
ADDRESS... 117 Urban Avenue, Westbury, NY 11590
NAME..... Sew Simple
ADDRESS... 115 Frost Street, Westbury, NY 11590
NAME..... Permafuse Corporation
ADDRESS... 675 Main Street, Westbury, NY 11590
NAME..... Judith Lewis Printers
ADDRESS... 40 Urban Avenue, Westbury, NY 11590
NAME..... Uniflex
ADDRESS... 474 Grand Blvd., Westbury, NY 11590
NAME..... Joerger Enterprises
ADDRESS... 32 New York Avenue, Westbury, NY 11590
NAME..... Fine Art Autobody
ADDRESS... 90 New York Avenue, Westbury, NY 11590
NAME..... B&L Collision

SYL00108389

ADDRESS... 69 Kinkel Street, Westbury, NY 11590
NAME..... Royal Guard Fence
ADDRESS... 550 Main Street, Westbury, NY 11590
NAME..... Bogner Broadcast
ADDRESS... 401 Railroad Avenue, Westbury, NY 11590
NAME..... New York Testing
ADDRESS... 75 Urban Avenue, Westbury, NY 11590
NAME..... Jorway Corporation
ADDRESS... 27 Bond Street, Westbury, NY 11590
NAME..... Atlas Graphics Inc
ADDRESS... 567 Main Street, Westbury, NY 11590
NAME..... Autronic Plastics
ADDRESS... 18 Sylvester Street, Westbury, NY 11590
NAME..... DBA Long Island Spray & Finishing
ADDRESS... 121 Hopper Street, Westbury, NY 11590
NAME..... Bernite Products Inc
ADDRESS... 84 New York Avenue, Westbury, NY 11590
NAME..... Bilt-Rite Steel Buck Corp.
ADDRESS... 95 Hopper Street, Westbury, NY 11590
NAME..... Custom Coating Inc
ADDRESS... 36 New York Avenue, Westbury, NY 11590
NAME..... International Ribbon and Carbon
ADDRESS... 49 Sylvester Street, Westbury, NY 11590
NAME..... Nutra Tec Corporation
ADDRESS... 72 Sylvester Street, Westbury, NY 11590
NAME..... Efficiency Systems
ADDRESS... 45 Urban Avenue, Westbury, NY 11590
NAME..... Huron Tool and Cutting
ADDRESS... 75 State Street, Westbury, NY 11590
NAME..... Parafuse Corporation
ADDRESS... 65 Kinkel Street, Westbury, NY 11590
NAME..... American Motors
ADDRESS... 110 State Street, Westbury, NY 11590
NAME..... Laka Industry Inc.
ADDRESS... 62 Kinkel Street, Westbury, NY 11590
NAME..... Kwik-Eeze Corporation
ADDRESS... 54 Brooklyn Avenue, Westbury, NY 11590
NAME..... Blen-Cal Electronics
ADDRESS... 700 Summa Avenue, Westbury, NY 11590
NAME..... Sam Ton Salvage
ADDRESS... 299 Main Street, Westbury, NY 11590
NAME..... Advance Food Service Equipment
ADDRESS... 750 Summa Avenue, Westbury, NY 11590
NAME..... All-Shield Electronics
ADDRESS... 45 Bond Street, Westbury, NY 11590
NAME..... Anthonsen's All Metal Products
ADDRESS... 630-640 Main Street, Westbury, NY 11590

SYL00108390

NAME..... Applied Fluids
ADDRESS... 770 Main Street, Westbury, NY 11590
NAME..... Arkwin Industries, Inc.
ADDRESS... 686 Main Street, Westbury, NY 11590
NAME..... IMC Magnetix Corporation
ADDRESS... 570 Main Street, Westbury, NY 11590
NAME..... Supreme Metal Fabricators
ADDRESS... 776-790 Summa Avenue, Westbury, NY 11590
NAME..... Metpar Steel
ADDRESS... 97 State Street, Westbury, NY 11590
NAME..... Continental Extrusion
ADDRESS... 751 Summa Avenue, Westbury, NY 11590
NAME..... Make 1 Stop Auto S&J Body & Fender
ADDRESS... 51 Urban Avenue, Westbury, NY 11590
NAME..... Tapemakers Inc.
ADDRESS... 48 Urban Avenue, Westbury, NY 11590
NAME..... Avon Press
ADDRESS... 25 Kinkel Street, Westbury, NY 11590
NAME..... Howard Schubert
ADDRESS... 51 Rushmore Street, Westbury, NY 11590
NAME..... Arkwin Industries
ADDRESS... 670 Main Street, Westbury, NY 11590
NAME..... Arkwin Industries
ADDRESS... 656 Main Street, Westbury, NY 11590
NAME..... Arkwin Industries
ADDRESS... 710 Summa Avenue, Westbury, NY 11590
NAME..... Arkwin Industries
ADDRESS... 70 Main Street, Westbury, NY 11590
NAME..... Sew Simple
ADDRESS... 710 Summa Avenue, Westbury, NY 11590
NAME..... Korg USA, Inc.
ADDRESS... 89 Frost Street, Westbury, NY 11590
NAME..... New York Testing
ADDRESS... 81 Urban Avenue, Westbury, NY 11590

OWNER DURING DISPOSAL:

NAME.....
OPERATOR(S) DURING DISPOSAL:
NAME..... Continental Extrusion
ADDRESS... 751 Summa Avenue, Westbury, NY 11590
NAME..... Howard Schubert
ADDRESS... 51 Rushmore Street, Westbury, NY 11590
NAME..... Arkwin Industries, Inc.
ADDRESS... 710 Summa Avenue, Westbury, NY 11590
NAME..... Arkwin Industries, Inc.
ADDRESS... 656 Main Street, Westbury, NY 11590
NAME..... Arkwin Industries, Inc.
ADDRESS... 670 Main Street, Westbury, NY 11590

SYL00108391

NAME..... Arkwin Industries, Inc.
ADDRESS... 70 Main Street, Westbury, NY 11590
NAME..... Sew Simple
ADDRESS... 710 Summa Avenue, Westbury, NY 11590
NAME..... Korg USA, Inc.
ADDRESS... 89 Frost Street, Westbury, NY 11590
NAME..... Supreme Metal Fabricators
ADDRESS... 776-790 Summa Avenue, Westbury, NY 11590
NAME..... Metpar Steel
ADDRESS... 97 State Street, Westbury, NY 11590
NAME..... B&G Lighting
ADDRESS... 51 Urban Avenue, Westbury, NY 11590
NAME..... Avon Press
ADDRESS... 25 Kinkel Street, Westbury, NY 11590
NAME..... Tapemakers Inc.
ADDRESS... 48 Urban Avenue, Westbury, NY 11590
NAME..... Contemporary Packaging
ADDRESS... 90 Hopper Street, Westbury, NY 11590
NAME..... Judith Lewis Printers
ADDRESS... 40 Urban Avenue, Westbury, NY 11590
NAME..... Uniflex
ADDRESS... 474 Grand Blvd., Westbury, NY 11590
NAME..... Tischon Corporation
ADDRESS... 68 Kinkel Street, Westbury, NY 11590
NAME..... New York Testing
ADDRESS... 81 Urban Street, Westbury, NY 11590
NAME..... Tischon Corporation
ADDRESS... 29 Kinkel Street, Westbury, NY 11590
NAME..... Tischon Corporation
ADDRESS... 40 New York Avenue, Westbury, NY 11590
NAME..... Tischon Corporation
ADDRESS... 85 Brooklyn Avenue, Westbury, NY 11590
NAME..... Applied Fluids
ADDRESS... 770 Main Street, Westbury, NY 11590
NAME..... Arkwin Industries, Inc
ADDRESS... 686 Main Street, Westbury, NY 11590
NAME..... Atlas Graphics Inc.
ADDRESS... 567 Main Street, Westbury, NY 11590
NAME..... Autronic Plastics
ADDRESS... 18 Sylvester Street, Westbury, NY 11590
NAME..... Adchem Corporation
ADDRESS... 85 New York Avenue, Westbury, NY 11590
NAME..... Adchem Corporation
ADDRESS... 625 Main Street, Westbury, NY 11590
NAME..... Anthonsen's All Metal Products
ADDRESS... 630-640 Main Street, Westbury, NY 11590
NAME..... Alltronics

SYL00108392

ADDRESS... 45 Bond Street, Westbury, NY 11590
NAME..... Advance Food Service Equipment
ADDRESS... 750 Summa Avenue, Westbury, NY 11590
NAME..... Avanel Industries
ADDRESS... 121 Hopper Street, Westbury, NY 11590
NAME..... Sew Simple
ADDRESS... 115 Frost Street, Westbury, NY 11590
NAME..... Utility Manufacturing Company
ADDRESS... 700 Main Street, Westbury, NY 11590
NAME..... Warren Machine Company
ADDRESS... 117 Urban Avenue, Westbury, NY 11590
NAME..... Freund Woodworking
ADDRESS... 589 Main Street, Westbury, NY 11590
NAME..... Valu-Litho
ADDRESS... 512 Main Street, Westbury, NY 11590
NAME..... Kleartone Transparent
ADDRESS... 695 Summa Avenue, Westbury, NY 11590
NAME..... Supreme Edgelight
ADDRESS... 5 Bond Street, Westbury, NY 11590
NAME..... Unicord
ADDRESS... 75 Frost Street, Westbury, NY 11590
NAME..... Jorway Corporation
ADDRESS... 27 Bond Street, Westbury, NY 11590
NAME..... New York Testing
ADDRESS... 75 Urban Avenue, Westbury, NY 11590
NAME..... Bogner Broadcast
ADDRESS... 401 Railroad Avenue, Westbury, NY 11590
NAME..... Royal Guard Fence
ADDRESS... 550 Main Street, Westbury, NY 11590
NAME..... T&S Brass and Bronze
ADDRESS... 128 Magnolia Avenue, Westbury, NY 11590
NAME..... B&L Collision
ADDRESS... 69 Kinkel Street, Westbury, NY 11590
NAME..... Fine Art Autobody
ADDRESS... 90 New York Avenue, Westbury, NY 11590
NAME..... Joerger Enterprises
ADDRESS... 32 New York Avenue, Westbury, NY 11590
NAME..... Holmes and Sons
ADDRESS... 84 New York Avenue, Westbury, NY 11590
NAME..... JCL Custom Metal Doors
ADDRESS... 95 Hopper Street, Westbury, NY 11590
NAME..... Custom Coating Inc.
ADDRESS... 36 New York Avenue, Westbury, NY 11590
NAME..... Dionics
ADDRESS... 65 Rushmore Street, Westbury, NY 11590
NAME..... Duraned Pharmaceuticals
ADDRESS... 72 Sylvester Street, Westbury, NY 11590

SYL00108393

NAME..... Guillotine Splicer
 ADDRESS... 45 Urban Avenue, Westbury, NY 11590
 NAME..... Huron Tool and Cutting
 ADDRESS... 75 State Street, Westbury, NY 11590
 NAME..... IMC Magnetics Corporation
 ADDRESS... 570 Main Street, Westbury, NY 11590
 NAME..... International Ribbon and Carbon
 ADDRESS... 49 Sylvester Street, Westbury, NY 11590
 NAME..... Hamilton Avent Electronics, Inc.
 ADDRESS... 70 State Street, Westbury, NY 11590
 NAME..... Island Transportation
 ADDRESS... 299 Main Street, Westbury, NY 11590
 NAME..... Blen-Cal Electronics
 ADDRESS... 700 Summa Avenue, Westbury, NY 11590
 NAME..... Kwik-Eeze Corporation
 ADDRESS... 54 Brooklyn Avenue, Westbury, NY 11590
 NAME..... Laka Industries
 ADDRESS... 62 Kinkel Street, Westbury, NY 11590
 NAME..... Molla Inc.
 ADDRESS... 110 State Street, Westbury, NY 11590
 NAME..... Parafuse Corporation
 ADDRESS... 65 Kinkel Street, Westbury, NY 11590
 NAME..... Permafuse Corporation
 ADDRESS... 675 Main Street, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from 1950 to present

SITE DESCRIPTION:

Flat topography: Industrial/commercial area Nearest Waterbody: Hempstead Bay approximately 6 miles northwest
 Nearest Water Supply: Approximately 400 feet south This site is a 170 acre industrial area that has operated since 1950. The site is bounded by the Long Island Railroad tracks on the north, Wantagh State Park on the east, Old County Road on the south, and Grand Boulevard on the west. According to a 1986 report by the Nassau County Department of Health, various chlorinated solvents such as tetrachloroethylene (PCE) and trichloroethane (TCA) were found in the groundwater beneath the site at levels between 2 and 9,800 ppb. The contaminated groundwater was found to be heading towards three public supply wells located south (downgradient) of the site. DEC subsequently listed this site as a Class 2. A state-funded investigation to determine the sources of contamination within the industrial area began in 1992 and was completed in early 1995. The results showed the existence of seven distinct contaminated groundwater plumes emanating from at least eleven different sources. PCE was found as high as 92,000 ppb and TCA was found as high as 79,000 ppb in groundwater. The site boundaries will be modified to include just the source areas, as the remainder of the site was found to be clean.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
Tetrachloroethylene (F001 & F002 Waste)	unknown
1,1,1-Trichloroethane (F001 & F002 Waste)	unknown

SYL00108394

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-X	Groundwater-X	Soil-X	Sediment-X
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-X	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Fine to medium grained sand and gravel
GROUNDWATER DEPTH: Ranges from 25-50 ft. below surface

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-
NATURE OF ACTION:			

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Past site operations have contaminated the groundwater beneath the site with several chlorinated solvents. Contaminants are present in seven distinct plume areas. Groundwater is within an EPA-designated sole source aquifer. Contaminants are migrating towards public water supply wells that are immediately downgradient of the site.

ASSESSMENT OF HEALTH PROBLEMS:

USEPA COMPREHENSIVE ENVIRONMENTAL RESPONSE
COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)

SITE INFORMATION

EPA-ID: NY0001095363
Site Name: NEW CASSEL INDUSTRIAL AREA
Site Street: MAIN STREET
Site City/State/Zip: HEMPSTEAD, NY 11550

Site-ID: 0203974

NFRAP (No Further Remedial Activity Planned) Indicator:

Owner Indicator: Unknown
Incident Type:
Incident Category:
Non-NPL Status: Other Cleanup Activity: State-Lead Cleanup
Federal Facility Flag: Not a Federal Facility

NPL Status Indicator: Not on the NPL
USGS Hydrological Unit: 02030202
RCRA Flag:

SITE DESCRIPTION:

DISCOVERY IS BASED UPON A NYSDEC SITE INVESTIGATION RPT PREPARED BY LAWLER, MATUSKY & SKELLY ENGINEERS AND DATED: FEBRUARY/1995. THE SITE IS A 170 ACRE INDUSTRIAL PARK W 100 (+1-) INDUSTRIAL/COMMERCIAL BUSINESSES (ON SITE) DISCOVERY IS BASED UPON A NYSDEC SITE INVESTIGATION RPT PREPARED BY LAWLER, MATUSKY & SKELLY ENGINEERS AND DATED: FEBRUARY/1995. THE SITE IS A 170 ACRE INDUSTRIAL PARK W 100 (+1-) INDUSTRIAL/COMMERCIAL BUSINESSES (ON SITE)

OPERABLE UNIT INFORMATION

SYL00108395

Operable Unit ID: 00 Operable Unit Name: SITEWIDE

ACTION INFORMATION

Name: DISCOVERY
Lead: State, Fund Financed
Qualifier:
Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: No Entry into IFMS

Current Plan Start Date:
Current Plan Completion Date:
Actual Start Date:
Actual Completion Date: 19850701
Operable Unit ID: 00
Financial Budget Source:

Name: PRELIMINARY ASSESSMENT
Lead: State, Fund Financed
Qualifier: High
Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: Both Intramural and Extramural Entry into IFMS

Current Plan Start Date:
Current Plan Completion Date:
Actual Start Date: 19950201
Actual Completion Date: 19950915
Operable Unit ID: 00
Financial Budget Source: Remedial

Name: SITE INSPECTION
Lead: State, Fund Financed
Qualifier: High
Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: Both Intramural and Extramural Entry into IFMS

Current Plan Start Date:
Current Plan Completion Date:
Actual Start Date: 19950915
Actual Completion Date: 19950929
Operable Unit ID: 00
Financial Budget Source: Remedial

FINANCIAL INFORMATION

No financial information was provided

Map Identification Number 10 TISHCON CORPORATION

31-33 BROOKLYN AVENUE & 30-36 NEW YORK AVENUE NORTH HEMPSTEAD (T), NY 11590

Facility Id: 130043E

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 5083 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 33 BROOKLYN AV / 34 NEW YORK AVE
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SYL00108396

DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 2

REGION: 1

SITE CODE: 130043E

CLASSIFICATION CODE DESCRIPTION:

EPA ID: NYD001095363

Significant threat to the public health or environment - action required.

NAME OF SITE: Tishcon Corporation

STREET ADDRESS: 31-33 Brooklyn Avenue & 30-36 New York Avenue

TOWN/CITY: North Hempstead (T)

ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 1.5 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: Tishcon Corporation

ADDRESS...: 29 New York Avenue, Westbury, NY 11590

NAME.....: Equity Share Associates

ADDRESS...: 231 Washington St., Garden City, NY 11530

OWNER DURING DISPOSAL:

NAME.....: Tishcon Corporation

OPERATOR(S) DURING DISPOSAL:

NAME.....: Tishcon Corporation

ADDRESS...: 30 New York Avenue, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from 1980s to 1995

SITE DESCRIPTION:

This property is located between New York and Brooklyn Avenues midway between Old Country Road and Main Street in the New Cassel Industrial Area. The area has a flat topography and the nearest surface water is Hempstead Bay, approximately 6 miles southwest. The occupant of these properties manufactures dietary supplements such as vitamins. Soft gelatin capsules are manufactured on site. As part of this process, a 1,1,1-trichloroethane (TCA) dip was used to remove mineral oil from the capsules. Approximately four drums of TCA were used per week. Nassau County Department of Health records indicate that Tishcon used up to 16,000 gallons of TCA per year, and in 1992, found 21 ppm of the chemical in an on-site leachpool. Subsequent downgradient groundwater sampling found TCA, 1,1-dichloroethane, trichloroethylene and dichloroethylene at extremely high levels. A Consent Order was signed on June 5, 1996 for a Focused Remedial Investigation/Feasibility Study (FRI/FS) by the Tishcon Corporation for the 30-36 New York Avenue and the 31-33 Brooklyn portion of the site. The fieldwork was performed in July and August of 1996. This investigation found significant on-site soil and groundwater contamination. Notably 1,1,1 TCA at a level of 84 ppm in the groundwater and 220 ppm of 1,1,1 TCA in the on-site soils. The potentially responsible party (PRP) has signed a consent order for a FRI/FS for the on-site groundwater. Sampling for OU2 (groundwater) was completed in November 1998. An air sparging/soil vapor extraction system was constructed and put into operation in January 2000 to address the on-site groundwater and soil contamination. A remedial design consent order will be negotiated to address off-site groundwater contamination (OU2).

CONFIRMED HAZARDOUS WASTE DISPOSED:

SYL00108397

TYPE	QUANTITY
----- 1,1,1-Trichloroethane {(TCA) (F002 Waste)}	----- unknown
ANALYTICAL DATA AVAILABLE FOR:	Air- Surface Water- Groundwater-X Soil-X Sediment-X
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X Drinking Water- Surface Water- Air-

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Fine to medium grained sand and gravel.
GROUNDWATER DEPTH: Range: 50 to 55 feet.

LEGAL ACTION:	Type: Consent Order	State-X	Federal-
STATUS:	Negotiation in Progress-X	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-X	Completed-
NATURE OF ACTION:	AS/SVE		

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Past site operations have contaminated groundwater beneath and downgradient of the site with extremely high levels of TCA and 1,1-dichloroethane. The contaminated groundwater is located within an EPA-designated sole-source aquifer. The contaminant plume that is partially emanating from the site has migrated 1,000 feet downgradient.

ASSESSMENT OF HEALTH PROBLEMS:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers.

Map Identification Number 11 FORMER TISHCON CORPORATION
68 KINKEL STREET

WESTBURY, NY 11590

Facility Id: 130043F

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 5146 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: D1
CLASSIFICATION CODE DESCRIPTION:

REGION: 1

SITE CODE: 130043F
EPA ID: NYD001095363

SYL00108398

Delisted site - hazardous waste not found

NAME OF SITE: Former Tishcon Corporation

STREET ADDRESS: 68 Kinkel Street

TOWN/CITY: Westbury

ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 0.25 Acre

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: Mr. Thomas Garguilo, Jr.

ADDRESS...: 65 Kinkel Street, Westbury, NY 11590

OWNER DURING DISPOSAL:

NAME.....:

OPERATOR(S) DURING DISPOSAL:

NAME.....: Tishcon Corporation

ADDRESS...: 29 New York Avenue, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from 1982 to 1983

SITE DESCRIPTION:

Flat topography: Industrial area Nearest Surface Water Body: Hempstead Bay, approximately 6 miles southwest Nearest Water Supply Well: Approximately 1,550 feet south This property is located on Kinkel Street just below Main Street in the New Cassel Industrial Area. The former occupant of this site used to manufacture dietary supplements at this location, as well as several other locations in the industrial park. Chemicals such as 1,1,1-trichloroethane (TCA) were used as part of this process. According to Nassau County Department of Health records, Tishcon used 1,650 gallons of TCA per year at this location. A 1994 site inspection conducted by NYSDEC revealed a likely abandoned leachpool location in the alley behind the building. Subsequent downgradient groundwater sampling found TCA and 1,2-dichloroethylene well above standards. This site has received a State Superfund referral. A standby consultant has been authorized to implement a Focused Remedial Investigation and Feasibility Study for the site. The fieldwork was completed in April of 1996.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE

1,1,1-Trichloroethane {(TCA) (F002 Waste)}

QUANTITY

unknown

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-X	Groundwater-X	Soil-X	Sediment-X
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: medium to fine grained sand and gravel
GROUNDWATER DEPTH: Varies from 50-52 feet

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-X	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-X	Completed-

SYL00108399

NATURE OF ACTION:

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Past site operations have contaminated groundwater beneath the site with TCA. The contaminated groundwater is located within an EPA-designated sole-source aquifer. The contaminant that is partially emanating from the site has migrated approx. 700 ft. downgradient. Two public water supply wells are located approx. 1,550 feet downgradient of the site.

ASSESSMENT OF HEALTH PROBLEMS:

Groundwater is the primary source of drinking water in the area and multiple groundwater contaminant plumes in the New Cassel Industrial Park have been identified. Monitoring wells located within the area contained several volatile organic compounds (VOCs) in excess of NYS drinking water standards. Public water supply wells are located 300 to 500 meters downgradient of the industrial area and are contaminated with low levels of VOCs that do exceed the NYS drinking water standards. These wells are being treated with granular activated carbon filtration units to remove contaminants before water is distributed to consumers.

Map Identification Number 12 FORMER LAKA INDUSTRIES, INC.
62 KINKEL STREET

NORTH HEMPSTEAD (T), NY 11590

Facility Id: 130043K

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 5211 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 2

REGION: 1

SITE CODE: 130043K

EPA ID: NYD001095363

CLASSIFICATION CODE DESCRIPTION:

Significant threat to the public health or environment - action required.

NAME OF SITE: Former LAKA Industries, Inc.

STREET ADDRESS: 62 Kinkel Street

TOWN/CITY: North Hempstead (T)

ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 0.17 Acre

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: DermKraft, Inc.

ADDRESS...: 62 Kinkel Street, Westbury, NY 11590

SYL00108400

OWNER DURING DISPOSAL:

NAME.....:

OPERATOR(S) DURING DISPOSAL:

NAME.....: LAKA Industries, Inc.

ADDRESS...: 62 Kinkel Street, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from 1971 to 1984

SITE DESCRIPTION:

This site is located on the east side of Kinkel Street, south of Main Street in the New Cassel Industrial Area. The former occupants LAKA Tools and Stamping and LAKA Industries used trichloroethylene (TCE) as a degreaser. Soil samples collected from an abandoned drywell or cesspool contained extremely high levels of TCE and cis-1,2-dichloroethylene (DCE) and groundwater samples collected at the same locations also contained high levels of both TCE and cis-1,2-DCE. Past site operations have contaminated groundwater beneath and downgradient of the site with high levels of TCE and cis-1,2-DCE. The contaminated groundwater is located within an EPA designated sole-source aquifer. The contaminated plume that is emanating from this site has migrated approximately 700 feet downgradient. Two public water supply wells are located 1,500 feet downgradient of this site. This site has received a State Superfund referral. A standby consultant was authorized to implement a Focused Remedial Investigation and Feasibility Study. The field work was completed in October 1998. The Focused Remedial Investigation dated November 1998 and the Focused Feasibility Study dated May 1999 were presented along with the Proposed Remedial Action Plan for Operable Unit 01 On-site Soil and Groundwater were presented at a public meeting September 30, 1999. The selected remedy was the Excavation and Off-site Disposal of Soil and includes monitoring of on-site groundwater for a period of at least two years.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE

QUANTITY

Trichloroethylene (F001-F002)-----
unknown

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-X	Soil-X	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Fine to medium grained sand and gravel.
GROUNDWATER DEPTH: Range: 55 to 60 feet.

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed-X Under Design-	In Progress-	Completed-
NATURE OF ACTION:	Source removal/monitoring		

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Past site operations have contaminated the groundwater within a sole-source aquifer at and downgradient of the site with high levels of Trichloroethylene.

ASSESSMENT OF HEALTH PROBLEMS:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site

SYL00108401

have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers.

SYL00108402



*** NO HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES IDENTIFIED WITHIN THE SEARCH AREA ***

SYL00108403



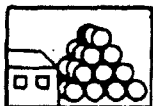
*** NO SOLID WASTE FACILITIES IDENTIFIED WITHIN THE SEARCH AREA ***

SYL00108404



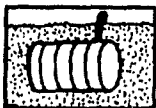
*** NO OIL STORAGE FACILITIES LARGER THAN 400,000 GALLONS IDENTIFIED WITHIN THE SEARCH AREA ***

SYL00108405



*** NO HAZARDOUS WASTE TREATMENT/STORAGE/DISPOSERS IDENTIFIED WITHIN THE SEARCH AREA ***

SYL00108406

*** PETROLEUM BULK STORAGE FACILITIES LESS THAN 400,000 GALLONS IDENTIFIED WITHIN THE SEARCH AREA ***

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 13 **BENITO, ANGLE** Facility Id LG9600360 Source: NASS. FIRE MARSHALL
22 ELDERBERRY LA NEW CASSEL,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2681 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ACTIVE	PROPANE (LPG)/BUTANE	100	OUTDOOR ABOVEGROUND HORIZONTAL			
DX02	ACTIVE	PROPANE (LPG)/BUTANE	100	OUTDOOR ABOVEGROUND HORIZONTAL			

Map Identification Number 14 **FOLRES, FAUSTINO** Facility Id LG9600426 Source: NASS. FIRE MARSHALL
18 ELDERBERRY LA NEW CASSEL,

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2692 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	58	OUTDOOR ABOVEGROUND HORIZONTAL			

Map Identification Number 15 **LOCKE, W. JUDGE** Facility Id LG9600407 Source: NASS. FIRE MARSHALL
216 BOND ST NEW CASSEL,

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2801 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	****	OUTDOOR ABOVEGROUND HORIZONTAL			

SYL00108407

Map Identification Number 16 ISAAC, RENEE
225 BOND ST

NEW CASSEL, Facility Id LG9600398 Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2825 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	****	OUTDOOR ABOVEGROUND HORIZONTAL			

Map Identification Number 17 WESTBURY NISSAN, LTD.
115 FROST ST.

WESTBURY, Facility Id 057549 Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 2856 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0001	IN SERVICE	WASTE OIL	275	INDOORS ABOVEGROUND	071998
0002	IN SERVICE	WASTE OIL	275	INDOORS ABOVEGROUND	071998
0003	IN SERVICE	OIL, MOTOR	275	INDOORS ABOVEGROUND	071998
0004	IN SERVICE	OIL, MOTOR	275	INDOORS ABOVEGROUND	071998
0005	IN SERVICE	TRANSMISSION FLUID	275	INDOORS ABOVEGROUND	071998

Map Identification Number 18 AMAYA, JOSE
7 ELDERBERRY LA

NEW CASSEL, Facility Id LG9600356 Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2866 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ACTIVE	PROPANE (LPG)/BUTANE	100	OUTDOOR ABOVEGROUND HORIZONTAL			

SYL00108408

Map Identification Number 19 **DICKERSON, EUGENE**
8 DOGWOOD LA

Facility Id LG9600399 **Source: NASS. FIRE MARSHALL**
NEW CASSEL,

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 3041 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	48	OUTDOOR ABOVEGROUND HORIZONTAL			
DX02	ABANDONED	PROPANE (LPG)/BUTANE	48	OUTDOOR ABOVEGROUND HORIZONTAL			

Map Identification Number 20 **BARRETT, ALMETTA**
240 BROOKLYN AVE

Facility Id LG9600412 **Source: NASS. FIRE MARSHALL**
NEW CASSEL,

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 3051 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	****	OUTDOOR ABOVEGROUND HORIZONTAL			
DX02	ABANDONED	PROPANE (LPG)/BUTANE	****	OUTDOOR ABOVEGROUND HORIZONTAL			

Map Identification Number 21 **SPRINT SPECTRUM L.P.**
75 FROST ST

Facility Id GS9600169 **Source: NASS. FIRE MARSHALL**
NEW CASSEL,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 3057 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
BB01	REMOVED	DIESEL	2000	INDOOR ABOVEGROUND HORIZONTAL			

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	

SYL00108409

Map Identification Number 22 TUROISE, DUMINGO Facility Id LG9600397 Source: NASS. FIRE MARSHALL
3 DOGWOOD LA WESTBURY,

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 3124 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	100	OUTDOOR ABOVEGROUND HORIZONTAL			

Map Identification Number 23 FRASER, JAMES Facility Id LG9600404 Source: NASS. FIRE MARSHALL
171 BOND ST NEW CASSEL,

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 3160 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	47	OUTDOOR ABOVEGROUND HORIZONTAL			

Map Identification Number 24 HERNANDEZ, ELEVTOLIO Facility Id LG9600414 Source: NASS. FIRE MARSHALL
18 BRAMBLE LA NEW CASSEL,

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 3236 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	57	OUTDOOR ABOVEGROUND HORIZONTAL			

SYL00108410

Map Identification Number 25 **SPRUILL, RUTH**
3 CLOVER LA

NEW CASSEL,
Facility Id LG9600401

Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 3273 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	47	OUTDOOR ABOVEGROUND HORIZONTAL			

Map Identification Number 26 **BROWN, CLARENCE**
203 STATE ST

NEW CASSEL,
Facility Id LG9600402

Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 3304 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	****	OUTDOOR ABOVEGROUND HORIZONTAL			
DX02	ABANDONED	PROPANE (LPG)/BUTANE	****	OUTDOOR ABOVEGROUND HORIZONTAL			

Map Identification Number 27 **BAZILE, STIME**
165 BOND ST

NEW CASSEL,
Facility Id LG9600355

Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 3331 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ACTIVE	PROPANE (LPG)/BUTANE	420	OUTDOOR ABOVEGROUND HORIZONTAL			

SYL00108411

Map Identification Number 28 **RUIZ, MANUEL**
198 BROOKLYN AVE

Facility Id LG9600375 **Source: NASS. FIRE MARSHALL**
NEW CASSEL,

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 3341 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	100	OUTDOOR ABOVEGROUND HORIZONTAL			

Map Identification Number 29 **WESTBURY W.D.WELLS#12-12A**
STATE ST.

Facility Id 001320 **Source: NASS DEPT OF HEALTH**
WESTBURY,

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 3517 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: STATE ST
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0002	IN SERVICE	SODIUM HYDROXIDE	2500	INDOORS ABOVEGROUND	121995

Map Identification Number 30 **COMMERCIAL PROPERTY**
96-102 BOND ST.

Facility Id 056116 **Source: NASS DEPT OF HEALTH**
WESTBURY,

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 3548 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 98 BOND ST.
Revised zip code: 11590

This facility has been deleted from the reported data. Data reflects last reported information.

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0004	IN SERVICE	OIL, FUEL #2	2000	BELOWGROUND	0583
0005	IN SERVICE	OIL, FUEL #2	1000	BELOWGROUND	0583

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT. TOX	MCL
OIL, FUEL #2	68476302	X	X			X	

SYL00108412

Map Identification Number 31 **MOTORWORKS**
111 BOND ST.

WESTBURY, Facility Id 057278

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 3609 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0001	IN SERVICE	WASTE OIL	240	INDOORS ABOVEGROUND	101998
0002	IN SERVICE	WASTE OIL	240	INDOORS ABOVEGROUND	101998
0003	IN SERVICE	OIL, WATER SOLUBLE N	240	INDOORS ABOVEGROUND	101998
0004	IN SERVICE	OIL, MOTOR	240	INDOORS ABOVEGROUND	051999
0005	IN SERVICE	ETHYLENE GLYCOL	240	INDOORS ABOVEGROUND	101998
0006	IN SERVICE	WASTE OIL	240	INDOORS ABOVEGROUND	101998

Map Identification Number 32 **PARK AVE SCHOOL**
PARK AVE.

WESTBURY, Facility Id 052330

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 3619 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0002	IN SERVICE	OIL, FUEL #2	10000	BELOWGROUND	081990

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
OIL, FUEL #2	68476302	X	X			X	

SYL00108413

Map Identification Number 33 **WESTBURY JEEP**
110 STATE ST.

WESTBURY, Facility Id 055117

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)

Approximate distance from property: 3967 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: 110 STATE STREET

Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0001	IN SERVICE	WASTE OIL	275	OUTDOORS ABOVEGROUND	121955
0002	IN SERVICE	WASTE OIL	275	OUTDOORS ABOVEGROUND	121955

Map Identification Number 34 **YOUNG**
203 KINKEL ST

NEW CASSEL, Facility Id LG9600406

Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 4010 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	47	OUTDOOR ABOVEGROUND HORIZONTAL			

Map Identification Number 35 **DORSAINVIL**
144 NEW YORK AVE

NEW CASSEL, Facility Id LG9600405

Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 4025 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	47	OUTDOOR ABOVEGROUND HORIZONTAL			

SYL00108414

Map Identification Number 36 **STROUD, VIVIAN**
172 SYLVESTER ST

Facility Id LG9600409 **Source: NASS. FIRE MARSHALL**
NEW CASSEL,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4076 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	48	OUTDOOR ABOVEGROUND HORIZONTAL			

Map Identification Number 37 **SHAMIANA INTERNATL INC.**
120 NEW YORK AVE.

Facility Id 056678 **Source: NASS DEPT OF HEALTH**
WESTBURY,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 4124 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

This facility has been deleted from the reported data. Data reflects last reported information.

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0001	REMOVAL STATUS	OIL, FUEL #2	4000	BELOWGROUND	0167

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
OIL, FUEL #2	68476302	X	X			X	

Map Identification Number 38 **S&B MACHINE WORKS**
111 NEW YORK AVE.

Facility Id 003791 **Source: NASS DEPT OF HEALTH**
WESTBURY,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 4220 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0001	IN SERVICE	OAKITE, #160	75	INDOORS ABOVEGROUND	031987

SYL00108415

0002	IN SERVICE	TANK, WATER RINSE	75	INDOORS ABOVEGROUND	031987
0003	IN SERVICE	OAKITE, LNC	75	INDOORS ABOVEGROUND	031987
0004	IN SERVICE	TANK, WATER RINSE	75	INDOORS ABOVEGROUND	031987
0005	IN SERVICE	OAKITE, CHROMICOAT 1	75	INDOORS ABOVEGROUND	031987
0006	IN SERVICE	TANK, WATER RINSE	75	INDOORS ABOVEGROUND	031987

Map Identification Number 39 **B. DALTON BOOKSELLER** Facility Id GS9600156 Source: NASS. FIRE MARSHALL
1400 OLD COUNTRY ROAD WESTBURY,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 4324 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
HF01	ACTIVE	DIESEL	2500	OUTDOOR UNDERGROUND HORIZONTAL	010491	010491	

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	

Map Identification Number 40 **CHAPMAN, EDWARD** Facility Id LG9600408 Source: NASS. FIRE MARSHALL
158 KINKEL ST NEW CASSEL,

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 4342 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	****	OUTDOOR ABOVEGROUND HORIZONTAL			

SYL00108416

Map Identification Number 41 STAFFORD, MASON
163 KINKEL ST

Facility Id LG9600362 Source: NASS. FIRE MARSHALL
NEW CASSEL,

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 4358 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ACTIVE	PROPANE (LPG)/BUTANE	200	OUTDOOR ABOVEGROUND HORIZONTAL			

Map Identification Number 42 R.G.M. LEASING
90 NEW YORK AVE.

Facility Id 055753 Source: NASS DEPT OF HEALTH
WESTBURY,

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 4361 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0001	IN SERVICE	OIL, MOTOR	240	INDOORS ABOVEGROUND	101993
0002	IN SERVICE	WASTE OIL	240	INDOORS ABOVEGROUND	101993

Map Identification Number 43 UTILITY MFG. CO., INC.
700 MAIN ST.

Facility Id 000302 Source: NASS DEPT OF HEALTH
WESTBURY,

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4410 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: 700 MAIN STREET
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0005	IN SERVICE	PROPYLENE GLYCOL	2000	INDOORS ABOVEGROUND	111996
0006	IN SERVICE	PROPYLENE GLYCOL	2000	INDOORS ABOVEGROUND	111996
0007	IN SERVICE	PROPYLENE GLYCOL	250	INDOORS ABOVEGROUND	111996
0008	IN SERVICE	TETRACHLOROETHYLENE	550	INDOORS ABOVEGROUND	111996
0009	IN SERVICE	TRICHLOROETHANE, 1,1	550	INDOORS ABOVEGROUND	111996
The following tank was deleted from the reported data. Data reflects last reported information.					
0010	IN SERVICE	NAPHTHA, VM&P (VARSO	550	INDOORS ABOVEGROUND	0476

SYL00108417

The following tank was deleted from the reported data. Data reflects last reported information.

0011	IN SERVICE	NAPHTHA, VM&P (VARSO	550	INDOORS ABOVEGROUND	0476
0012	IN SERVICE	OIL, LUBRICATING	550	INDOORS ABOVEGROUND	111996

The following tank was deleted from the reported data. Data reflects last reported information.

0013	IN SERVICE	MINERAL SPIRITS	550	INDOORS ABOVEGROUND	0476
0014	IN SERVICE	SODIUM HYDROXIDE	4000	INDOORS ABOVEGROUND	111996
0015	IN SERVICE	OIL, LUBRICATING	550	INDOORS ABOVEGROUND	111996

The following tank was deleted from the reported data. Data reflects last reported information.

0016	IN SERVICE	OIL, LUBRICATING	550	INDOORS ABOVEGROUND	0476
0017	IN SERVICE	OIL, LUBRICATING	300	INDOORS ABOVEGROUND	111996
0018	IN SERVICE	OIL, LUBRICATING	300	INDOORS ABOVEGROUND	111996
0019	IN SERVICE	SULPHURIC ACID	3500	INDOORS ABOVEGROUND	111996
0020	IN SERVICE	OIL, LUBRICATING	275	INDOORS ABOVEGROUND	111996
0021	IN SERVICE	OIL, LUBRICATING	275	INDOORS ABOVEGROUND	111996
0022	IN SERVICE	OIL, LUBRICATING	275	INDOORS ABOVEGROUND	111996

Map Identification Number 44 UTILITY MANUFACTURING C
700 MAIN ST

Facility Id GS9600042 Source: NASS. FIRE MARSHALL
NEW CASSEL,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4410 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
HG01	ACTIVE	TETRA HYDRO FURAN	4000	OUTDOOR UNDERGROUND HORIZONTAL	071885	091895	
HG02	ACTIVE	METHYL ETHYL KETONE	4000	OUTDOOR UNDERGROUND HORIZONTAL	071885	091895	

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
TETRA HYDRO FURAN	109999	X	X	X			50 ug/L

Map Identification Number 45 HURON TOOL CO.
75 STATE STREET

Facility Id 000214 Source: NASS DEPT OF HEALTH
WESTBURY,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4416 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

This facility has been deleted from the reported data. Data reflects last reported information.

SYL00108418

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0002	IN SERVICE	OIL, HYDRAULIC	55	INDOORS ABOVEGROUND	0383
0003	IN SERVICE	OIL, HYDRAULIC	55	INDOORS ABOVEGROUND	0383
0005	IN SERVICE	OIL, LUBRICATING	55	INDOORS ABOVEGROUND	0383
0006	IN SERVICE	OIL, CUTTING	55	INDOORS ABOVEGROUND	0383
0007	IN SERVICE	OIL, CUTTING	55	INDOORS ABOVEGROUND	0383

Map Identification Number 46 **WESTBURY TOYOTA**
1121 OLD COUNTRY RD.

Facility Id 057245
WESTBURY,

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4443 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0002	IN SERVICE	OIL, MOTOR	275	INDOORS ABOVEGROUND	011998
0003	IN SERVICE	OIL, MOTOR	275	INDOORS ABOVEGROUND	011998
0004	IN SERVICE	TRANSMISSION FLUID	275	INDOORS ABOVEGROUND	011998
0006	IN SERVICE	WASTE OIL	175	INDOORS ABOVEGROUND	011998
0007	IN SERVICE	WASTE OIL	275	INDOORS ABOVEGROUND	011998

Map Identification Number 47 **DANIEL FINLEY ALLEN & C**
114 SYLVESTER ST

Facility Id GS9600160
NEW CASSEL,

Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 4452 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: 114 SYLVESTER AVE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
The following tank was deleted from the reported data. Data reflects last reported information.							
DB01	ACTIVE	DIESEL	2000	OUTDOOR ABOVEGROUND HORIZONTAL			
DX01	ACTIVE	DIESEL	2000	OUTDOOR ABOVEGROUND HORIZONTAL	032095	062696	

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	

SYL00108419

Map Identification Number 48 DANIEL FINLEY ALLEN & CO.
114 SYLVESTER ST.

Facility Id 055340
WESTBURY,

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 4452 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: 114 SYLVESTER AVE

Revised zip code: 11590

This facility has been deleted from the reported data. Data reflects last reported information.

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0001	IN SERVICE	WASTE OIL	250	OUTDOORS ABOVEGROUND	0189

Map Identification Number 49 ARKWIN INDUSTRIES
686 MAIN ST.

Facility Id 000100
WESTBURY,

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 4452 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0004	IN SERVICE	ZYGLO PENETRANT	55	INDOORS ABOVEGROUND	121994
0005	IN SERVICE	ZYGLO PENETRANT	55	INDOORS ABOVEGROUND	121994
0007	IN SERVICE	TANK, WATER RINSE	300	INDOORS ABOVEGROUND	121994

Map Identification Number 50 THE PERMAFUSE CORP.
675 MAIN STREET

Facility Id 000035
WESTBURY,

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 4470 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 11590

This facility has been deleted from the reported data. Data reflects last reported information.

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0005	IN SERVICE	RESIN	300	INDOORS ABOVEGROUND	0157
0006	IN SERVICE	RESIN	300	INDOORS ABOVEGROUND	0157
0007	IN SERVICE	RESIN	300	INDOORS ABOVEGROUND	0157

SYL00108420

Map Identification Number 51

N.C. FAMILY COURT COMPLEX
1200 OLD COUNTRY RD.Facility Id 053093
WESTBURY,

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4620 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: 1200 OLD COUNTRY ROAD
Revised zip code: 11590

This facility has been deleted from the reported data. Data reflects last reported information.

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0008	IN SERVICE	OIL, FUEL #2	180	INDOORS ABOVEGROUND	0292

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
OIL, FUEL #2	68476302	X	X			X	

Map Identification Number 52

N C FAMILY COURT
1200 OLD COUNTRY ROADFacility Id GS9600159
WESTBURY,

Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4620 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
HF01	ACTIVE	DIESEL	1000	OUTDOOR UNDERGROUND HORIZONTAL	021693	021693	

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	

SYL00108421

Map Identification Number 53 NC CHILDRENS SHELTER DE
CARMAN AVE WESTBURY, Facility Id GS9600143 Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4620 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: 1200 OLD COUNTRY RD
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
HC01	ACTIVE	DIESEL	550	OUTDOOR UNDERGROUND HORIZONTAL	010186	071593	

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	

Map Identification Number 54 ARKWIN INDUSTRIES
656 MAIN ST. WESTBURY, Facility Id 000397 Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4668 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0003	IN SERVICE	OIL, WATER-SOLUBLE	200	INDOORS ABOVEGROUND	061983
0004	IN SERVICE	OIL, WATER-SOLUBLE	200	INDOORS ABOVEGROUND	061983

Map Identification Number 55 COHEN, IRWIN
891 PROSPECT AVE NEW CASSEL, Facility Id LG9600384 Source: NASS. FIRE MARSHALL

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4738 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	50	OUTDOOR ABOVEGROUND HORIZONTAL			

SYL00108422

Map Identification Number 56 COHEN, IRWIN Facility Id LG9600386 Source: NASS. FIRE MARSHALL
891 PROSPECT AVE NEW CASSEL,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4738 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	50	OUTDOOR ABOVEGROUND HORIZONTAL			

Map Identification Number 57 COHEN, IRWIN Facility Id LG9600385 Source: NASS. FIRE MARSHALL
891 PROSPECT AVE NEW CASSEL,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4738 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	50	OUTDOOR ABOVEGROUND HORIZONTAL			

Map Identification Number 58 COHEN, IRWIN Facility Id LG9600383 Source: NASS. FIRE MARSHALL
891 PROSPECT AVE NEW CASSEL,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4738 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	50	OUTDOOR ABOVEGROUND HORIZONTAL			
DX02	ABANDONED	PROPANE (LPG)/BUTANE	50	OUTDOOR ABOVEGROUND HORIZONTAL			
DX03	ABANDONED	PROPANE (LPG)/BUTANE	50	OUTDOOR ABOVEGROUND HORIZONTAL			
DX04	ABANDONED	PROPANE (LPG)/BUTANE	50	OUTDOOR ABOVEGROUND HORIZONTAL			

SYL00108423

Map Identification Number 59 VIGIOTTI RECYCLING CORP
100 URBAN AVE

Facility Id GS9600066 Source: NASS. FIRE MARSHALL
NEW CASSEL,

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 4861 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
HB01	REMOVED	DIESEL	4000	OUTDOOR UNDERGROUND HORIZONTAL	050975	012189	
HH01	ACTIVE	DIESEL	5000	OUTDOOR UNDERGROUND HORIZONTAL	050190	052996	

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	

Map Identification Number 60 VIGIOTTI RECYCLING CORP.
100 URBAN AVE.

Facility Id 001188 Source: NASS DEPT OF HEALTH
WESTBURY,

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 4861 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0006	IN SERVICE	OIL, HYDRAULIC	275	INDOORS ABOVEGROUND	061998
0007	IN SERVICE	OIL, MOTOR	275	INDOORS ABOVEGROUND	061998
0008	IN SERVICE	WASTE OIL	275	INDOORS ABOVEGROUND	061998

Map Identification Number 61 ADCHEM CORP
625 MAIN ST.

Facility Id 000254 Source: NASS DEPT OF HEALTH
WESTBURY,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (2)

Approximate distance from property: 4962 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 11590

SYL00108424

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0001	IN SERVICE	PROPYLENE GLYCOL	250	INDOORS ABOVEGROUND	011980

Map Identification Number 62 CAMPBELL, ROBERT
862 PARK AVE

Facility Id LG9600374 Source: NASS. FIRE MARSHALL
NEW CASSEL,

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 4989 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
DX01	ABANDONED	PROPANE (LPG)/BUTANE	**	OUTDOOR ABOVEGROUND HORIZONTAL			

Map Identification Number 63 RUTIGLIANO PAPER STOCK,
84 KINKEL ST

Facility Id IN9600158 Source: NASS. FIRE MARSHALL
NEW CASSEL,

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 5035 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
BB01	ACTIVE	DIESEL	275	INDOOR ABOVEGROUND HORIZONTAL	110991	071096	

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	

SYL00108425

Map Identification Number 64 MORGAN FUEL(INA)
84 KINKEL ST

Facility Id OL9600005 Source: NASS. FIRE MARSHALL
NEW CASSEL,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 5035 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
HB01	ABANDONED	KEROSENE	3000	OUTDOOR UNDERGROUND HORIZONTAL	022161	061882	
HB02	ABANDONED	FUEL OIL #2	20000	OUTDOOR UNDERGROUND HORIZONTAL	022161	061882	
HB03	ABANDONED	FUEL OIL #2	30000	OUTDOOR UNDERGROUND HORIZONTAL	022161	061882	

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
KEROSENE	8008206	X	X	X		X	
FUEL OIL #2	68476302	X	X			X	

Map Identification Number 65 ISLAND INN LTD PARTNER
1050 OLD COUNTRY RD.

Facility Id 039021 Source: NASS DEPT OF HEALTH
WESTBURY,

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 5042 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

This facility has been deleted from the reported data. Data reflects last reported information.

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0005	IN SERVICE	OIL, FUEL #2	2500	BELOWGROUND	0488

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
OIL, FUEL #2	68476302	X	X			X	

SYL00108426

Map Identification Number 66 **CAPTURE REALTY CORP**
1025-1035 OLD COUNTRY RD.

Facility Id 056054
WESTBURY,

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 5082 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 1025 OLD COUNTRY RD

Revised zip code: 11590

This facility has been deleted from the reported data. Data reflects last reported information.

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0001	IN SERVICE	OIL, FUEL #2	1000	INDOORS ABOVEGROUND	0882
0002	IN SERVICE	OIL, FUEL #2	550	BELOWGROUND	0180
0003	IN SERVICE	OIL, FUEL #2	275	INDOORS ABOVEGROUND	0182
0004	IN SERVICE	OIL, FUEL #2	275	INDOORS ABOVEGROUND	0182
0005	IN SERVICE	OIL, MOTOR	275	INDOORS ABOVEGROUND	0182
0006	IN SERVICE	OIL, MOTOR	275	INDOORS ABOVEGROUND	0182
0007	IN SERVICE	OIL, MOTOR	275	INDOORS ABOVEGROUND	0182
0008	IN SERVICE	OIL, MOTOR	275	INDOORS ABOVEGROUND	0182

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
OIL, FUEL #2	68476302	X	X			X	

Map Identification Number 67 **BOBCAT OF NEW YORK**
58 SYLVESTER ST.

Facility Id 057402
WESTBURY,

Source: NASS DEPT OF HEALTH

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 5123 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: 58 SYLVESTER AV

Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0002	IN SERVICE	WASTE OIL	250	OUTDOORS ABOVEGROUND	021998

SYL00108427

Map Identification Number 68 **INDUSTRIAL METS INC.**
68 KINKEL ST

Facility Id GS9600077 Source: NASS. FIRE MARSHALL
NEW CASSEL,

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 5155 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
The following tank was deleted from the reported data. Data reflects last reported information.							
DB01	ACTIVE	DIESEL	550	OUTDOOR ABOVEGROUND HORIZONTAL	010178	100489	
DX01	ACTIVE	DIESEL	550	OUTDOOR ABOVEGROUND HORIZONTAL	010178	100489	

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	

Map Identification Number 69 **PARFUSE CORP.**
65 KINKEL ST.

Facility Id 000236 Source: NASS DEPT OF HEALTH
WESTBURY,

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 5209 feet to the SW

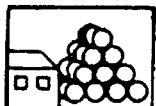
ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: 11590

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE
0004	IN SERVICE	OAKITE, #160	40	INDOORS ABOVEGROUND	011981
0005	IN SERVICE	NITRIC ACID	70	INDOORS ABOVEGROUND	011981
0009	IN SERVICE	SODIUM FLUORIDE	30	INDOORS ABOVEGROUND	071986

SYL00108428

*** HAZARDOUS WASTE GENERATORS/TRANSPORTERS IDENTIFIED WITHIN THE SEARCH AREA ***

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 70 **LONG ISLAND QUALITY CLEAN**
997 PROSPECT AVENUE
EPA (RCRA) Name: LONG ISLAND FRENCH QUALITY CLEANERS
EPA (RCRA) Address: 997 PROSPECT AVE

WESTBURY, NY 11590

Facility Id: NYD981490774

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 3176 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator:

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION
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WASTE AMOUNT

WASTE UNITS

TRANSACTION TYPE

YEAR

NONE No hazardous waste activity reported to NYS up to 9/28/2000.

Map Identification Number 71 **SUPREME METAL**
790 SUMMA AVENUE
EPA (RCRA) Name: SUPREME METAL FABRICATORS
EPA (RCRA) Address: 790 SUMMA AVE

WESTBURY, NY 11590

Facility Id: NYD002034247

WESTBURY, 115905039

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)

Approximate distance from property: 3207 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

SYL00108429

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F005	Spent non-halogenated solvents	1081	POUNDS	GENERATED	1992
D008	Lead	7700	POUNDS	GENERATED	1990
F002	Spent halogenated solvents	500	POUNDS	GENERATED	1990

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

Map Identification Number 72	ADVANCE FOOD SERVICE CO INC 790 SUMMA AVENUE
EPA (RCRA) Name:	ADVANCE FOOD SERVICE CO INC
EPA (RCRA) Address:	750 SUMMA AVE

WESTBURY,, NY 11590

Facility Id: NYD002035467

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: **MANUAL MAPPING (4)**
Approximate distance from property: **3207 feet to the SSW**

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR
Storer: Transporter:
Treatment facility: Incinerator:

Receives offsite waste:
Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F001	Spent halogenated solvents used in degreasing	100	GALLONS	GENERATED	1983

Map Identification Number 73	EQUIPCO EQUIPMENT & SERVICE
	745 SUMMA AVE
EPA (RCRA) Name:	EQUIPCO EQUIPMENT & SERVICE
EPA (RCRA) Address:	745 SUMMA AVE

WESTBURY, NY 11590

Facility Id: NYR000091181

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 3462 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 745 SUMMA ST
Revised zip code: NO CHANGE

SYL00108430

US EPA RCRA Type: Generator: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Storer: Transporter: Receives offsite waste:
Treatment facility: Incinerator: Land Disposal(LDF):

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
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NONE Site reported by US EPA. No hazardous waste activity reported to NYS.

Map Identification Number 74 ADCHEM CORPORATION
710 SUMMA AVE
EPA (RCRA) Name: ADCHEM CORP
EPA (RCRA) Address: 710 SUMMA AVE

WESTBURY, NY 11590

Facility Id: NYR000013755

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 3823 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Storer: Transporter: Receives offsite waste:
Treatment facility: Incinerator: Land Disposal(LDF):

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
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F003 Spent non-halogenated solvents
F003 Spent non-halogenated solvents

26	GALLONS	GENERATED	2000
50	POUNDS	GENERATED	2000

Map Identification Number 75 KLEAR TONE TRANSPARENT PACKAGING
695 SUMMA AVENUE
EPA (RCRA) Name: KLEAR TONE TRANSPARNT PDTs
EPA (RCRA) Address: 695 SUMMA AVE

WESTBURY, NY 11590

Facility Id: NYD002059624

WESTBURY, 115905041

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 3872 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

SYL00108431

US EPA RCRA Type: Generator: LARGE QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

US EPA RCRA Violations:

Most Recent Info: Violation Area: GENERATOR-ALL REQUIREMENTS
Violation Number: 0001
Violation Class: 2
Violation Type:

Responsible Agency: STATE
Violation Determination Date: 11/01/1985
Violation Priority:
Regulation:

Most Recent Info: Violation Area: GENERATOR-ALL REQUIREMENTS
Violation Number: 0002
Violation Class: 2
Violation Type:

Responsible Agency: STATE
Violation Determination Date: 02/03/1989
Violation Priority:
Regulation:

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	20	GALLONS	GENERATED	1996
D001	Solid waste that exhibits the characteristic of ignitability	12	POUNDS	GENERATED	1996
D002	Solid waste that exhibits the characteristic of corrosivity	20	POUNDS	GENERATED	1996
D003	Solid waste that exhibits the characteristic of reactivity	10	POUNDS	GENERATED	1996
F001	Spent halogenated solvents used in degreasing	55	GALLONS	GENERATED	1996
F003	Spent non-halogenated solvents	7009	GALLONS	GENERATED	1996
F003	Spent non-halogenated solvents	450	POUNDS	GENERATED	1996
F005	Spent non-halogenated solvents	3740	GALLONS	GENERATED	1988

Map Identification Number 76 A M C JEEP
110 STATE ST& OLD COUNTRY RD
EPA (RCRA) Name: A M C JEEP
EPA (RCRA) Address: 110 STATE ST

WESTBURY, NY 11590

Facility Id: NYD986909448

WESTBURY, 115905033

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 3965 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: 110 STATE ST
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: LARGE QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

SYL00108432

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D039	Tetrachloroethylene	55	GALLONS	GENERATED	2000
F001	Spent halogenated solvents used in degreasing	3834	POUNDS	GENERATED	1998
D006	Cadmium	6	GALLONS	GENERATED	1994

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Tetrachloroethylene	127184	X	X	X	X	X	5 ug/L
Cadmium	7440439	X	X	X	X		.010mg/L*

WESTBURY, 115905028

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Receives offsite waste:
Land Disposal(LDF):

Responsible Agency: STATE
Violation Determination Date: 01/27/1987
Violation Priority:
Regulation:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F003	Spent non-halogenated solvents	1155	GALLONS	GENERATED	1986

SYL00108433

D001 Solid waste that exhibits the characteristic of ignitability 200 GALLONS GENERATED 1982

Map Identification Number 78 LE BLAVI ASSOCIATES
770 MAIN ST
EPA (RCRA) Name: LE BLAVI ASSOCIATES
EPA (RCRA) Address: 770 MAIN ST

WESTBURY, NY 11790

Facility Id: NYR000046011

WESTBURY, 11790

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 4049 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 770 S MAIN ST

Revised zip code: 11590

US EPA RCRA Type: Generator: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION
---------------	----------------------

WASTE AMOUNT

WASTE UNITS

TRANSACTION TYPE

YEAR

NONE Site reported by US EPA. No hazardous waste activity reported to NYS.

Map Identification Number 79 METPAR STEEL PRODUCTS CORP
97 STATE STREET
EPA (RCRA) Name: METPAR STEEL PRODUCTS CORP
EPA (RCRA) Address: 97 STATE ST

WESTBURY, NY 11590

Facility Id: NYD002041945

WESTBURY, 115905006

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 4126 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: LARGE QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

US EPA RCRA Violations:

Most Recent Info: Violation Area: GENERATOR-ALL REQUIREMENTS
Violation Number: 0001
Violation Class: 2
Violation Type:

Responsible Agency: STATE
Violation Determination Date: 09/26/1988
Violation Priority:
Regulation:

SYL00108434

Most Recent Info: Violation Area: GENERATOR-LAND BAN REQUIREMENTS
 Violation Number: 0002
 Violation Class: 2
 Violation Type:

Responsible Agency: STATE
 Violation Determination Date: 09/26/1988
 Violation Priority:
 Regulation:

Most Recent Info: Violation Area: GENERATOR-ALL REQUIREMENTS
 Violation Number: 0003
 Violation Class: 2
 Violation Type:

Responsible Agency: STATE
 Violation Determination Date: 04/03/1995
 Violation Priority:
 Regulation:

Most Recent Info: Violation Area: GENERATOR-LAND BAN REQUIREMENTS
 Violation Number: 0004
 Violation Class: 2
 Violation Type:

Responsible Agency: STATE
 Violation Determination Date: 04/03/1995
 Violation Priority:
 Regulation:

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F003	Spent non-halogenated solvents	8685	POUNDS	GENERATED	1996
D001	Solid waste that exhibits the characteristic of ignitability	1649	POUNDS	GENERATED	1995
F001	Spent halogenated solvents used in degreasing	4874	POUNDS	GENERATED	1993
F001	Spent halogenated solvents used in degreasing	440	GALLONS	GENERATED	1991
F003	Spent non-halogenated solvents	3465	GALLONS	GENERATED	1988
P001	2H-1-Benzopyran-2-one	275	GALLONS	GENERATED	1988
F005	Spent non-halogenated solvents	165	GALLONS	GENERATED	1987
D001	Solid waste that exhibits the characteristic of ignitability	160	GALLONS	GENERATED	1986
F002	Spent halogenated solvents	165	GALLONS	GENERATED	1986
U239	Benzene, dimethyl- (I,T)	825	GALLONS	GENERATED	1981

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
2H-1-Benzopyran-2-one	81812	X			X		50 ug/L
Benzene, dimethyl- (I,T)	1330207	X	X		X	X	5 ug/L

SYL00108435

Map Identification Number 80 SKELTON SCREW MACHINE COMPANY

EPA (RCRA) Name: SKELTON SCREW MACHINE INC
EPA (RCRA) Address: 100 NEW YORK AVE

WESTBURY, NY 11590

Facility Id: NYD002056661

WESTBURY, 115904909

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 4197 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: LARGE QUANTITY GENERATOR

Storer:

Transporter:

Treatment facility:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F003	Spent non-halogenated solvents	330	GALLONS	GENERATED	1990
D008	Lead	413	GALLONS	GENERATED	1986

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

Map Identification Number 81**S & B MACHINE**

111 NEW YORK AVENUE
EPA (RCRA) Name: S & B MACHINE WORKS INC
EPA (RCRA) Address: 111 NEW YORK AVE

WESTBURY, NY 11590

Facility Id: NYD981870165

WESTBURY, 115904924

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 4221 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: LARGE QUANTITY GENERATOR

Storer:

Transporter:

Treatment facility:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

SYL00108436

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	476	POUNDS	GENERATED	1995
F006	Wastewater treatment sludges from electroplating operations	330	GALLONS	GENERATED	1990

Map Identification Number 82 ENVIRONMENTAL CLEANUP CORP.
101 NEW YORK AVENUE

WESTBURY,, NY 11590

Facility Id: NYN40001A478

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)

Approximate distance from property: 4305 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	No hazardous waste activity reported to NYS up to 9/28/2000.				

Map Identification Number 83 ENVIRONMENTAL CLEANUP CORP
101 NEW YORK AVE
EPA (RCRA) Name: ENVIRONMENTAL CLEANUP CORP
EPA (RCRA) Address: 101 NEW YORK AVE

WESTBURY, NY 11590

Facility Id: NYR000037606

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)

Approximate distance from property: 4305 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator:

Storer:

Treatment facility:

Transporter: YES

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

SYL00108437

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
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NONE Site reported by US EPA. No hazardous waste activity reported to NYS.

Map Identification Number 84 E-Z-EM
 717 MAIN ST
 EPA (RCRA) Name: E Z - EM INC
 EPA (RCRA) Address: 717 MAIN ST

WESTBURY, NY 11590

Facility Id: NYD987004835

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 4319 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: LARGE QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	49	GALLONS	GENERATED	2000
D002	Solid waste that exhibits the characteristic of corrosivity	90	GALLONS	GENERATED	2000
D008	Lead	20	POUNDS	GENERATED	2000
F003	Spent non-halogenated solvents	30	GALLONS	GENERATED	2000
F005	Spent non-halogenated solvents	35	GALLONS	GENERATED	2000
D001	Solid waste that exhibits the characteristic of ignitability	6	POUNDS	GENERATED	1999
D009	Mercury	5	POUNDS	GENERATED	1999
D003	Solid waste that exhibits the characteristic of reactivity	25	POUNDS	GENERATED	1998
D004	Arsenic	10	GALLONS	GENERATED	1998
D004	Arsenic	3	POUNDS	GENERATED	1998
D008	Lead	29	GALLONS	GENERATED	1998
U001	Acetaldehyde (I)	1	GALLONS	GENERATED	1998
D002	Solid waste that exhibits the characteristic of corrosivity	30	POUNDS	GENERATED	1997
D003	Solid waste that exhibits the characteristic of reactivity	5	GALLONS	GENERATED	1997
D005	Barium	210	POUNDS	GENERATED	1997
D011	Silver	15	GALLONS	GENERATED	1997

SYL00108438

D011	Silver	10	POUNDS	GENERATED	1997
D019	Carbon Tetrachloride	4	GALLONS	GENERATED	1997
F005	Spent non-halogenated solvents	10	POUNDS	GENERATED	1997
P098	Potassium cyanide	5	GALLONS	GENERATED	1997
P119	Ammonium vanadate	1	POUNDS	GENERATED	1997
U095	(1,1-Biphenyl)-4,4-diamine, 3,3-dimethyl-	3000	POUNDS	GENERATED	1997
U122	Formaldehyde	15	GALLONS	GENERATED	1997
U134	Hydrofluoric acid (C,T)	15	GALLONS	GENERATED	1997
U213	Furan, tetrahydro-(I)	12	GALLONS	GENERATED	1997
U052	Cresol (Cresylic acid)	2	POUNDS	GENERATED	1996
U102	1,2-Benzenedicarboxylic acid, dimethyl ester	10	POUNDS	GENERATED	1996

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*
Mercury	7439976	X	X	X	X		.002mg/L*
Arsenic	7440382	X	X	X	X		0.05mg/L*
Lead	7439921	X	X	X	X		0.05mg/L*
Acetaldehyde (I)	75070	X	X	X	X	X	
Barium	7440393						1mg/L*
Silver	7440224		X				0.05mg/L*
Carbon Tetrachloride	56235	X	X	X	X	X	5 ug/L
Potassium cyanide	151508	X		X	X		
Ammonium vanadate	7803556	X		X	X		
(1,1-Biphenyl)-4,4-diamine, 3,3-dimethyl-	119937	X	X	X			5 ug/L
Formaldehyde	50000	X	X	X	X	X	50 ug/L
Hydrofluoric acid (C,T)	7664393	X		X	X	X	
Furan, tetrahydro-(I)	109999	X	X	X			50 ug/L
Cresol (Cresylic acid)	1319773	X	X				
1,2-Benzenedicarboxylic acid, dimethyl ester	131113	X	X	X	X	X	50 ug/L

Map Identification Number 85 UNITED ARTISTS COMMUNICATIONS
 1400 OLD COUNTRY RD
 EPA (RCRA) Name: UNITED ARTISTS COMMUNICATIONS
 EPA (RCRA) Address: 1400 OLD COUNTRY RD

WESTBURY, NY 11590

Facility Id: NYD986908077

WESTBURY, 11590

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (4)
 Approximate distance from property: 4321 feet to the S

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

SYL00108439

US EPA RCRA Type: Generator:

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	Site reported by US EPA. No hazardous waste activity reported to NYS.				

Map Identification Number 86

FINE ART AUTO BODY

90 NEW YORK AVENUE

WESTBURY, NY 11590

Facility Id: NYD107655953

EPA (RCRA) Name: FINE ART AUTO BODY INC

EPA (RCRA) Address: 90 NEW YORK AVE

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 4361 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator:

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F003	Spent non-halogenated solvents	100	GALLONS	GENERATED	1991
F005	Spent non-halogenated solvents	100	GALLONS	GENERATED	1989
D001	Solid waste that exhibits the characteristic of ignitability	110	GALLONS	GENERATED	1986

Map Identification Number 87

UTILITY MFG CO INC

710-712 MAIN STREET

WESTBURY, NY 11590

Facility Id: NYD057731853

EPA (RCRA) Name: UTILITY MANUFACTURING CO INC

EPA (RCRA) Address: 700-712 MAIN ST

WESTBURY, 115905020

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 4379 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 712 MAIN STREET

Revised zip code: NO CHANGE

SYL00108440

US EPA RCRA Type: Generator: LARGE QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F002	Spent halogenated solvents	1900	GALLONS	GENERATED	1990
F001	Spent halogenated solvents used in degreasing	4350	GALLONS	GENERATED	1989
F001	Spent halogenated solvents used in degreasing	28	CUBIC YDS	GENERATED	1989

Map Identification Number 88

PRICE CLUB #226

Facility Id: NY0001039312

1250 OLD COUNTRY RD

WESTBURY, NY 11590

EPA (RCRA) Name: PRICE CLUB 226

EPA (RCRA) Address: 1250 OLD COUNTRY RD

WESTBURY, 115905624

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)

Approximate distance from property: 4404 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D011	Silver	55	GALLONS	GENERATED	1995

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Silver	7440224		X				0.05mg/L*

SYL00108441

Facility Id: NYD002413102

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Receives offsite waste:
Land Disposal(LDF):

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D010	Selenium	110	GALLONS	GENERATED	1994
F002	Spent halogenated solvents	220	GALLONS	GENERATED	1991
F001	Spent halogenated solvents used in degreasing	385	GALLONS	GENERATED	1987

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Selenium	7782492	X	X		X		0.01mg/L*

Facility Id: NYD002037513

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Receives offsite waste:
Land Disposal(LDF):

SYL00108442

US EPA RCRA Violations:

Most Recent Info: Violation Area: GENERATOR-ALL REQUIREMENTS
 Violation Number: 0001
 Violation Class: 2
 Violation Type:

Responsible Agency: STATE
 Violation Determination Date: 03/06/1984
 Violation Priority:
 Regulation:

Most Recent Info: Violation Area: GENERATOR-ALL REQUIREMENTS
 Violation Number: 0002
 Violation Class: 2
 Violation Type:

Responsible Agency: STATE
 Violation Determination Date: 04/29/1988
 Violation Priority:
 Regulation:

Most Recent Info: Violation Area: GENERATOR-LAND BAN REQUIREMENTS
 Violation Number: 0003
 Violation Class: 2
 Violation Type:

Responsible Agency: STATE
 Violation Determination Date: 04/29/1988
 Violation Priority:
 Regulation:

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	34	GALLONS	GENERATED	2000
D001	Solid waste that exhibits the characteristic of ignitability	9	POUNDS	GENERATED	2000
D002	Solid waste that exhibits the characteristic of corrosivity	110	GALLONS	GENERATED	2000
D006	Cadmium	5	GALLONS	GENERATED	2000
D006	Cadmium	750	POUNDS	GENERATED	2000
F002	Spent halogenated solvents	55	GALLONS	GENERATED	2000
F003	Spent non-halogenated solvents	51	GALLONS	GENERATED	2000
F005	Spent non-halogenated solvents	55	GALLONS	GENERATED	2000
D007	Chromium	200	POUNDS	GENERATED	1999
D011	Silver	55	GALLONS	GENERATED	1999
F001	Spent halogenated solvents used in degreasing	110	GALLONS	GENERATED	1999
F001	Spent halogenated solvents used in degreasing	250	POUNDS	GENERATED	1999
F001	Spent halogenated solvents used in degreasing	40	TONS	GENERATED	1997
U226	Ethane, 1,1,1-trichloro-	4	GALLONS	GENERATED	1997
D007	Chromium	55	GALLONS	GENERATED	1996
D002	Solid waste that exhibits the characteristic of corrosivity	33	POUNDS	GENERATED	1995
F002	Spent halogenated solvents	20	TONS	GENERATED	1995
U208	Ethane, 1,1,1,2-tetrachloro-	11	GALLONS	GENERATED	1995
U220	Benzene, methyl-	50	GALLONS	GENERATED	1995
F003	Spent non-halogenated solvents	1150	POUNDS	GENERATED	1992
U080	Methane, dichloro-	11	GALLONS	GENERATED	1992
D003	Solid waste that exhibits the characteristic of reactivity	10	GALLONS	GENERATED	1991
D029	1,1-Dichloroethylene	275	GALLONS	GENERATED	1991
D005	Barium	18	GALLONS	GENERATED	1990

SYL00108443

U188	Phenol	75	GALLONS	GENERATED	1986
D008	Lead	935	GALLONS	GENERATED	1985
U159	2-Butanone (I,T)	910	GALLONS	GENERATED	1983

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Cadmium	7440439	X	X	X	X		.010mg/L*
Chromium	7440473	X	X				50ug/L*
Silver	7440224		X				0.05mg/L*
Ethane, 1,1,1-trichloro-	71556	X	X	X	X	X	5 ug/L
Chromium	7440473	X	X				50ug/L*
Ethane, 1,1,1,2-tetrachloro-	630206	X	X	X		X	5 ug/L
Benzene, methyl-	108883	X	X	X	X	X	5 ug/L
Methane, dichloro-	75092	X	X	X	X	X	5 ug/L
1,1-Dichloroethylene	75354	X	X	X	X		5 ug/L
Barium	7440393						1mg/L*
Phenol	108952	X	X	X	X	X	50 ug/L
Lead	7439921	X	X	X	X		0.05mg/L*
2-Butanone (I,T)	78933	X		X	X	X	50 ug/L

Map Identification Number 91 **BIG KMART 7475**
 1220 OLD COUNTRY RD
 EPA (RCRA) Name: BIG KMART 7475
 EPA (RCRA) Address: 1220 OLD COUNTRY RD

WESTBURY, NY 11590
 WESTBURY, 115905624

Facility Id: NYR000092981

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 4469 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer: Transporter:
 Treatment facility: Incinerator:

Receives offsite waste:
 Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	Site reported by US EPA. No hazardous waste activity reported to NYS.				

SYL00108444

Map Identification Number 92 PERMAFUSE CORP THE
675 MAIN STREET
EPA (RCRA) Name: PERMAFUSE CORP THE
EPA (RCRA) Address: 675 MAIN ST

WESTBURY,, NY 11590
WESTBURY, 115905017

Facility Id: NYD002038784

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4470 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: LARGE QUANTITY GENERATOR
Storer: Transporter:
Treatment facility: Incinerator:

Receives offsite waste:
Land Disposal(LDF):

US EPA RCRA Violations:

Most Recent Info: Violation Area: GENERATOR-ALL REQUIREMENTS
Violation Number: 0001
Violation Class: 2
Violation Type:

Responsible Agency: STATE
Violation Determination Date: 03/11/1992
Violation Priority:
Regulation:

Most Recent Info: Violation Area: GENERATOR-ALL REQUIREMENTS
Violation Number: 0002
Violation Class: 1
Violation Type:

Responsible Agency: STATE
Violation Determination Date: 08/18/1992
Violation Priority:
Regulation:

Most Recent Info: Violation Area: GENERATOR-ALL REQUIREMENTS
Violation Number: 0003
Violation Class: 1
Violation Type:

Responsible Agency: STATE
Violation Determination Date: 06/14/1993
Violation Priority:
Regulation:

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	1650	GALLONS	GENERATED	1994
D001	Solid waste that exhibits the characteristic of ignitability	547	POUNDS	GENERATED	1994
D002	Solid waste that exhibits the characteristic of corrosivity	30	POUNDS	GENERATED	1994
D009	Mercury	10	POUNDS	GENERATED	1994
U159	2-Butanone (I,T)	55	GALLONS	GENERATED	1994
U188	Phenol	85	POUNDS	GENERATED	1994
F003	Spent non-halogenated solvents	3168	GALLONS	GENERATED	1992
F001	Spent halogenated solvents used in degreasing	99	GALLONS	GENERATED	1990

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
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SYL00108445

Mercury	7439976	X	X	X	X		.002mg/L*
2-Butanone (I,T)	78933	X		X	X	X	50 ug/L
Phenol	108952	X	X	X	X	X	50 ug/L

Map Identification Number 93 **SPECTRONICS CORPORATION**
 956 BRUSH HOLLOW ROAD
 EPA (RCRA) Name: SPECTRONICS CORP
 EPA (RCRA) Address: 956 BRUSH HOLLOW RD

WESTBURY, NY 11590
 WESTBURY, 11590

Facility Id: NYD002044410

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 4514 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Transporter:

Treatment facility:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

US EPA RCRA Violations:

Most Recent Info: Violation Area: GENERATOR-ALL REQUIREMENTS
 Violation Number: 0001
 Violation Class: 2
 Violation Type:

Responsible Agency: STATE
 Violation Determination Date: 06/09/1989
 Violation Priority:
 Regulation:

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F002	Spent halogenated solvents	220	GALLONS	GENERATED	2000
D011	Silver	345	GALLONS	GENERATED	1999
F001	Spent halogenated solvents used in degreasing	220	GALLONS	GENERATED	1994
D006	Cadmium	385	GALLONS	GENERATED	1989
D008	Lead	55	GALLONS	GENERATED	1987

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Silver	7440224		X				0.05mg/L*
Cadmium	7440439	X	X	X	X		.010mg/L*
Lead	7439921	X	X	X	X		0.05mg/L*

SYL00108446

Map Identification Number 94 **SPECTRONICS**
956 BRUSH HOLLOW RD

WESTBURY, NY NO ZIP PROVIDED

Facility Id: NY0002044410

MAP LOCATION INFORMATION

Site location mapped by: **MANUAL MAPPING (3)**
Approximate distance from property: **4514 feet to the W**

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION
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WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
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NONE No hazardous waste activity reported to NYS up to 9/28/2000.

Map Identification Number 95 ALL - TRONICS
45 BOND STREET
EPA (RCRA) Name: MOTOR WORKS
EPA (RCRA) Address: 45 BOND ST

WESTBURY, NY 11590

Facility Id: NYD002035137

WESTBURY, 115905001

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 4588 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR
Storer: Transporter:
Treatment facility: Incinerator:

Receives offsite waste:
Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION
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WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
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D008	Lead
B002	Petroleum oil or other liquid containing 50 ppm < PCBs < 500 ppm
F001	Spent halogenated solvents used in degreasing
D001	Solid waste that exhibits the characteristic of ignitability
D006	Cadmium

525	GALLONS	GENERATED	1993
165	GALLONS	GENERATED	1987
165	GALLONS	GENERATED	1987
200	GALLONS	GENERATED	1981
140	GALLONS	GENERATED	1981

SYL00108447

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*
Petroleum oil or other liquid containing 50 ppm < PCBs < 500	1336363	X	X		X		5 ug/L
Cadmium	7440439	X	X	X	X		.010mg/L*

Map Identification Number 96 NASSAU CTY FAMILY COURT
1200 OLD COUNTRY RD
EPA (RCRA) Name: NASSAU COUNTY OF FAMILY COURT
EPA (RCRA) Address: 1200 OLD COUNTRY RD

WESTBURY, NY 11590

Facility Id: NYR000044636

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4615 feet to the S

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D009	Mercury	254	POUNDS	GENERATED	1998

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Mercury	7439976	X	X	X	X		.002mg/L*

SYL00108448

Facility Id: NYR000014241

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Receives offsite waste:
Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F001	Spent halogenated solvents used in degreasing	1182	POUNDS	GENERATED	1995

Facility Id: NYD981487853

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Receives offsite waste:
Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	Site reported by US EPA. No hazardous waste activity reported to NYS.				

SYL00108449

Map Identification Number 99 JESCO COMPANY
1099 OLD COUNTRY ROAD
EPA (RCRA) Name: JESCO CO
EPA (RCRA) Address: 1099 OLD COUNTRY RD

WESTBURY, NY 11590

Facility Id: NYD986873180

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 4720 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator:

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F003	Spent non-halogenated solvents	1538	GALLONS	GENERATED	1988

Map Identification Number 100 WESTBURY AUTO PAINTING INCORPORATED
1099 OLD COUNTRY ROAD
EPA (RCRA) Name: WESTBURY AUTO PAINTING INC
EPA (RCRA) Address: 1099 OLD COUNTRY RD

WESTBURY, NY 11590

Facility Id: NYD054992839

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 4720 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator:

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F003	Spent non-halogenated solvents	750	GALLONS	GENERATED	1986

SYL00108450

Map Identification Number 101 **NATIONWIDE ULTRASEAL**
84 SYLVESTER ST
EPA (RCRA) Name: NATIONWIDE ULTRASEAL
EPA (RCRA) Address: 84 SYLVESTER ST

WESTBURY, NY 11590

Facility Id: NYD030280184

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4826 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: 84 SYLVESTER ST.
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator:

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE WASTE
CODE DESCRIPTION

WASTE
AMOUNT

WASTE
UNITS

TRANSACTION
TYPE

YEAR

NONE Site reported by US EPA. No hazardous waste activity reported to NYS.

Map Identification Number 102 **PRECISION MECHANISMS CORP**
44 BROOKLYN AVE
EPA (RCRA) Name: PRECISION MECHANISMS CORP
EPA (RCRA) Address: 44 BROOKLYN AVE

WESTBURY, NY 11590

Facility Id: NYD002033231

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 4840 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE WASTE
CODE DESCRIPTION

WASTE
AMOUNT

WASTE
UNITS

TRANSACTION
TYPE

YEAR

F001 Spent halogenated solvents used in degreasing

243

POUNDS

GENERATED

1997

SYL00108451

Map Identification Number 103 **ANTHORSENS ALL METAL**
640 MAIN STREET
EPA (RCRA) Name: ANTHONSENS ALL METAL PRODUCT
EPA (RCRA) Address: 640 MAIN ST

WESTBURY, NY 11590

Facility Id: NYD986889277

WESTBURY, 11590

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 4856 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 640 S MAIN ST
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator:

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of Ignitability	2000	POUNDS	GENERATED	1990
F005	Spent non-halogenated solvents	2500	POUNDS	GENERATED	1990

Map Identification Number 104 **ADCHEM**
625 MAIN STREET
EPA (RCRA) Name: ADCHEM CORP
EPA (RCRA) Address: 625 MAIN ST

WESTBURY, NY 11590

Facility Id: NYD049207236

WESTBURY, 11590

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 4957 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F003	Spent non-halogenated solvents	40	GALLONS	GENERATED	2000
D001	Solid waste that exhibits the characteristic of ignitability	3775	POUNDS	GENERATED	1999

SYL00108452

F003	Spent non-halogenated solvents	6386	POUNDS	GENERATED	1999
F005	Spent non-halogenated solvents	3213	POUNDS	GENERATED	1998
D001	Solid waste that exhibits the characteristic of ignitability	505	GALLONS	GENERATED	1996
D002	Solid waste that exhibits the characteristic of corrosivity	2	GALLONS	GENERATED	1996
F005	Spent non-halogenated solvents	2145	GALLONS	GENERATED	1993
D002	Solid waste that exhibits the characteristic of corrosivity	3	POUNDS	GENERATED	1991
D008	Lead	2	GALLONS	GENERATED	1991
U122	Formaldehyde	75	GALLONS	GENERATED	1991
U159	2-Butanone (I,T)	165	CUBIC YDS	GENERATED	1983

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*
Formaldehyde	50000	X	X	X	X	X	50 ug/L
2-Butanone (I,T)	78933	X		X	X	X	50 ug/L

Map Identification Number 105 **SARRO SALVAGE**
69 SYLVESTER ST
EPA (RCRA) Name: T SARRO SALVAGE
EPA (RCRA) Address: 69 SYLVESTER ST

WESTBURY, NY 11590

Facility Id: NYD987011400

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 4961 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: 69 SYLVESTER AV
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D003	Solid waste that exhibits the characteristic of reactivity	5	GALLONS	GENERATED	1992

SYL00108453

Map Identification Number 106 DOAK PHARMACAL CO INC
67 SYLVESTER ST
EPA (RCRA) Name: DOAK PHARMACAL CO INC
EPA (RCRA) Address: 67 SYLVESTER ST

WESTBURY, NY 11590

Facility Id: NYD986898138

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4987 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D002	Solid waste that exhibits the characteristic of corrosivity	60	GALLONS	GENERATED	1999
D009	Mercury	10	POUNDS	GENERATED	1999
F005	Spent non-halogenated solvents	50	GALLONS	GENERATED	1999
D018	BENZENE	385	GALLONS	GENERATED	1998
D018	BENZENE	100	POUNDS	GENERATED	1998
F003	Spent non-halogenated solvents	50	POUNDS	GENERATED	1998
P081	Nitroglycerine (R)	452	POUNDS	GENERATED	1998
F003	Spent non-halogenated solvents	3	GALLONS	GENERATED	1996

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Mercury	7439976	X	X	X	X		.002mg/L*
BENZENE	71432	X	X	X	X	X	5 ug/L
Nitroglycerine (R)	55630	X	X	X	X	X	

Map Identification Number 107 GENOVESE DRUG STORES INC 162
1057 OLD COUNTRY RD
EPA (RCRA) Name: GENOVESE DRUG STORES INC 162
EPA (RCRA) Address: 1057 OLD COUNTRY RD
WESTBURY PLAZA

WESTBURY, NY 11590

Facility Id: NYR000018184

WESTBURY, 115905612

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 4993 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

SYL00108454

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR
Storer: Transporter:
Treatment facility: Incinerator:

Receives offsite waste:
Land Disposal(LDF):

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
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NONE Site reported by US EPA. No hazardous waste activity reported to NYS.

Map Identification Number 108 K & B AUTOMOTIVE
88 KINKLE ST
EPA (RCRA) Name: K & B AUTOMOTIVE
EPA (RCRA) Address: 88 KINKLE ST

WESTBURY, NY 11590

Facility Id: NYD987032836

WESTBURY, 11590

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 4994 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 88 KINKEL ST
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator:
Storer: Transporter:
Treatment facility: Incinerator:

Receives offsite waste:
Land Disposal(LDF):

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
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NONE Site reported by US EPA. No hazardous waste activity reported to NYS.

Map Identification Number 109 ULTIMATE COLLISION REPAIRS
88 KINKEL STREET
EPA (RCRA) Name: ULTIMATE COLLISION REPAIRS
EPA (RCRA) Address: 88 KINKEL ST

WESTBURY, NY 11590

Facility Id: NYD981485519

WESTBURY, 11590

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 4994 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

SYL00108455

US EPA RCRA Type: Generator:

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F005	Spent non-halogenated solvents	40	GALLONS	GENERATED	1989
D001	Solid waste that exhibits the characteristic of Ignitability	25	GALLONS	GENERATED	1987

Map Identification Number 110 MATTY SERVICE CENTER

84 KINKEL ST

WESTBURY, NY 11590

Facility Id: NYD986981488

EPA (RCRA) Name: MATTY SERVICE CENTER

EPA (RCRA) Address: 84 KINKEL ST

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)

Approximate distance from property: 5039 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator:

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	Site reported by US EPA. No hazardous waste activity reported to NYS.				

Map Identification Number 111 FORTUNOFF

1044 OLD COUNTRY ROAD

WESTBURY, NY 11590

Facility Id: NYD986974582

EPA (RCRA) Name: FORTUNOFF

EPA (RCRA) Address: 1044 OLD COUNTRY RD

WESTBURY, 115905636

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)

Approximate distance from property: 5089 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

SYL00108456

US EPA RCRA Type: Generator: LARGE QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D011	Silver	50	GALLONS	GENERATED	1991

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Silver	7440224	X					0.05mg/L*

Map Identification Number 112

HICKSVILLE AUTO BODY

603 MAIN STRETE

WESTBURY, NY 11590

Facility Id: NYD981483381

EPA (RCRA) Name: HICKSVILLE AUTO BODY INC

EPA (RCRA) Address: 603 MAIN ST

WESTBURY, 115904916

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 5102 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: 603 S MAIN ST

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F003	Spent non-halogenated solvents	80	GALLONS	GENERATED	2000
F005	Spent non-halogenated solvents	10	GALLONS	GENERATED	1990
D001	Solid waste that exhibits the characteristic of ignitability	5	GALLONS	GENERATED	1987

SYL00108457

Map Identification Number 113 TISCHON CORPORATION
17 BROOKLYN AVENUE
EPA (RCRA) Name: TISHCON CORP
EPA (RCRA) Address: 30 NEW YORK AVE

WESTBURY, NY 11590

Facility Id: NYD986964849

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 5103 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: LARGE QUANTITY GENERATOR

Storer:

Transporter:

Treatment facility:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

US EPA RCRA Violations:

Most Recent Info: Violation Area: GENERATOR-ALL REQUIREMENTS
Violation Number: 0001
Violation Class: 2
Violation Type:

Responsible Agency: STATE
Violation Determination Date: 07/05/1995
Violation Priority:
Regulation:

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F001	Spent halogenated solvents used in degreasing	800	POUNDS	GENERATED	2000
F002	Spent halogenated solvents	2534	POUNDS	GENERATED	2000
D001	Solid waste that exhibits the characteristic of ignitability	150	GALLONS	GENERATED	1997
F002	Spent halogenated solvents	8230	GALLONS	GENERATED	1997
F001	Spent halogenated solvents used in degreasing	5085	GALLONS	GENERATED	1996

Map Identification Number 114 HERTZ CORPORATION
20 BROOKLYN AVE
EPA (RCRA) Name: HERTZ CORP
EPA (RCRA) Address: 20 BROOKLYN AVE

WESTBURY, NY 10021

Facility Id: NYD982533929

WESTBURY, 115904902

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 5103 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 20 BROOKLYN AVENUE
Revised zip code: 11590

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Transporter:

Treatment facility:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

SYL00108458

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D002	Solid waste that exhibits the characteristic of corrosivity	230	POUNDS	GENERATED	1988
X721	Unknown waste type.	10	GALLONS	GENERATED	1988
X725	Unknown waste type.	500	POUNDS	GENERATED	1988

Map Identification Number 115 **PLAZA PONTIAC ISUZU**
1015 OLD COUNTRY RD
EPA (RCRA) Name: PLAZA PONTIAC ISUZU
EPA (RCRA) Address: 1015 OLD COUNTRY RD

WESTBURY, NY 11590

Facility Id: NYD153503206

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 5118 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator:

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	Site reported by US EPA. No hazardous waste activity reported to NYS.				

Map Identification Number 116 **FRANKS AUTO BODY INCORPORATED**
19 STATE STREET
EPA (RCRA) Name: FRANKS AUTO BODY INC
EPA (RCRA) Address: 19 STATE ST

WESTBURY, NY 11590

Facility Id: NYD982795239

WESTBURY, 115905004

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 5132 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

SYL00108459

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR
Storer: Transporter:
Treatment facility: Incinerator:

Receives offsite waste:
Land Disposal(LDF):

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F003	Spent non-halogenated solvents	25	GALLONS	GENERATED	1999
F005	Spent non-halogenated solvents	15	GALLONS	GENERATED	1997

Map Identification Number 117 ULTIMATE COLLISION REPAIRS
69 KINKEL STREET
EPA (RCRA) Name: ULTIMATE COLLISION REPAIRS INC
EPA (RCRA) Address: 69 KINKEL ST

WESTBURY, NY 11590
WESTBURY, 115904914

Facility Id: NYD986900520

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 5166 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: LARGE QUANTITY GENERATOR
Storer: Transporter:
Treatment facility: Incinerator:

Receives offsite waste:
Land Disposal(LDF):

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F003	Spent non-halogenated solvents	55	GALLONS	GENERATED	1997
F005	Spent non-halogenated solvents	55	GALLONS	GENERATED	1990

Map Identification Number 118 B & L COLLISION INCORPORATED
69A KINKEL STREET
EPA (RCRA) Name: B & L COLLISION INC
EPA (RCRA) Address: 69A KINKEL ST

WESTBURY, NY 11590
WESTBURY, 115904914

Facility Id: NYD981484579

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 5166 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

SYL00108460

US EPA RCRA Type: Generator: SMALL QUANTITY GENERATOR

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F005	Spent non-halogenated solvents	95	GALLONS	GENERATED	1990
D001	Solid waste that exhibits the characteristic of ignitability	85	GALLONS	GENERATED	1987

Map Identification Number 119

MOLTY-STRYK

49 SYLVESTER ST

WESTBURY, NY 11590

Facility Id: NYD980534184

EPA (RCRA) Name: MOLTY-STRYK

EPA (RCRA) Address: 49 SYLVESTER ST

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 5182 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: 49 SYLVESTER AVE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator:

Storer:

Transporter:

Receives offsite waste:

Treatment facility:

Incinerator:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	Site reported by US EPA. No hazardous waste activity reported to NYS.				

Map Identification Number 120

WESTPORT ASSOCIATES

1007 OLD COUNTRY RD (MEINEKE)

WESTBURY, NY 11590

Facility Id: NYD986985232

EPA (RCRA) Name: OLD MEINEKE MUFFLER SHOP

EPA (RCRA) Address: 1007 OLD COUNTRY RD

WESTBURY, 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (2)

Approximate distance from property: 5199 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 1007 OLD COUNTRY RD

Revised zip code: NO CHANGE

SYL00108461

US EPA RCRA Type: Generator:

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F002	Spent halogenated solvents	300	GALLONS	GENERATED	1992
F002	Spent halogenated solvents	4500	POUNDS	GENERATED	1992

Map Identification Number 121 PARFUSE CORPORATION

65 KINKEL STREET

WESTBURY, NY 11590

Facility Id: NYD072388044

EPA (RCRA) Name: PARFUSE CORP

EPA (RCRA) Address: 65 KINKEL ST

WESTBURY, 115904914

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 5209 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: Generator: LARGE QUANTITY GENERATOR

Storer:

Treatment facility:

Transporter:

Incinerator:

Receives offsite waste:

Land Disposal(LDF):

US EPA RCRA Violations:

Most Recent Info: Violation Area: GENERATOR-LAND BAN REQUIREMENTS

Violation Number: 0001

Violation Class: 2

Violation Type:

Responsible Agency: STATE

Violation Determination Date: 01/08/1993

Violation Priority:

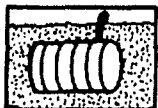
Regulation:

NYS DEC Manifested Waste Summary:

Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D002	Solid waste that exhibits the characteristic of corrosivity	110	GALLONS	GENERATED	1996
F001	Spent halogenated solvents used in degreasing	110	GALLONS	GENERATED	1991
D002	Solid waste that exhibits the characteristic of corrosivity	750	POUNDS	GENERATED	1986

SYL00108462

*** CHEMICAL STORAGE FACILITIES IDENTIFIED WITHIN THE SEARCH AREA ***

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 122 **WESTBURY WATER DISTRICT**
STATE STREET**WESTBURY, NY 11590****Facility Id 1-000512****MAP LOCATION INFORMATION**Site location mapped by: **MANUAL MAPPING (5)**
Approximate distance from property: **3540 feet to the SW****ADDRESS CHANGE INFORMATION**Revised street: **NO CHANGE**
Revised zip code: **NO CHANGE**Expiration Date of the facility's registration certificate: **08/01/2003**Operator Name: **ITALO VACCHIO**Site Status: **ACTIVE**Facility Phone #: **(516) 333-0427**Site Type: **OTHER**

TANK NUMBER	TANK STATUS	CHEMICAL NAME	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	DATE CLOSED
012	IN SERVICE	SODIUM HYDROXIDE	2000	UNDERGROUND VAULTED W/ ACCESS	05/95	

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
SODIUM HYDROXIDE	1310732	X		X		X	

Map Identification Number 123 **KLEARTONE INC.**
695 SUMMA AVE.**WESTBURY, NY 11590****Facility Id 1-000217****MAP LOCATION INFORMATION**Site location mapped by: **MANUAL MAPPING (3)**
Approximate distance from property: **3865 feet to the SSW****ADDRESS CHANGE INFORMATION**Revised street: **NO CHANGE**
Revised zip code: **NO CHANGE**Expiration Date of the facility's registration certificate: **07/19/1993**Operator Name: **LEE GORDON**Site Status: **INACTIVE**Facility Phone #: **(516) 334-1400**
Site Type: **MANUFACTURING**

TANK NUMBER	TANK STATUS	CHEMICAL NAME	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	DATE CLOSED
KTP1	CONVERTED-NONREGULAT	METHANOL	1000	UNDERGROUND VAULTED W/ ACCESS	08/83	08/83
KTP3	CONVERTED-NONREGULAT	METHANOL	1000	UNDERGROUND	08/65	02/90
KTP4	CLOSED-REMOVED	METHANOL	500	UNDERGROUND VAULTED W/ ACCESS	02/90	00/00

SYL00108463

KTP5 CLOSED-REMOVED METHANOL 500 UNDERGROUND VAULTED W/ ACCESS 02/90 00/00

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
METHANOL	67561	X	X	X	X	X	50 ug/L

Map Identification Number 124 UTILITY MFG. CO. INC.
700 MAIN STREET

WESTBURY, NY 11590

Facility Id 1-000063

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4416 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 05/12/2003

Operator Name: UTILITY MFG. CO. INC.

Site Status: ACTIVE

Facility Phone #: (516) 997-6300

Site Type: MANUFACTURING

TANK NUMBER	TANK STATUS	CHEMICAL NAME	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	DATE CLOSED
001	IN SERVICE	2-PROPANONE	4000	UNDERGROUND VAULTED W/ ACCESS	07/85	
002	IN SERVICE	TETRAHYDROFURAN	4000	UNDERGROUND VAULTED W/ ACCESS	07/85	
008	IN SERVICE	TETRACHLOROETHYLENE	550	ABOVEGROUND ON LEGS RACKS ETC	10/71	
009	IN SERVICE	TETRACHLOROETHYLENE	550	ABOVEGROUND ON LEGS RACKS ETC	10/71	
014	IN SERVICE	SODIUM HYDROXIDE	4000	ABOVEGROUND	06/82	
019	IN SERVICE	SULFURIC ACID	3500	ABOVEGROUND	04/76	

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
2-PROPANONE	67641	X	X	X	X	X	50 ug/L
TETRAHYDROFURAN	109999	X	X	X			50 ug/L
TETRACHLOROETHYLENE	127184	X	X	X	X	X	5 ug/L
SODIUM HYDROXIDE	1310732	X		X		X	
SULFURIC ACID	7664939	X		X	X	X	

SYL00108464

Map Identification Number 125 **ARKWIN INDUSTRIES**
686 MAIN ST.

WESTBURY, NY 11590

Facility Id 1-000101

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4458 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 06/07/1995

Operator Name: ARKWIN INDUSTRIES

Site Status: INACTIVE

Facility Phone #: (516) 333-2640
Site Type: MANUFACTURING

TANK NUMBER	TANK STATUS	CHEMICAL NAME	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	DATE CLOSED
003	CLOSED-REMOVED	CHLOROETHANE	275	ABOVEGROUND	07/84	06/93
004	CLOSED-REMOVED	CHLOROETHANE	275	ABOVEGROUND	07/84	03/93

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
CHLOROETHANE	75003	X	X	X			5 ug/L

Map Identification Number 126 **MARTIN REID PARK**
URBAN AVE.

WESTBURY, NY 11040

Facility Id 1-000214

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 5129 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: URBAN AVE / BROADWAY
Revised zip code: 11590

Expiration Date of the facility's registration certificate: 07/18/2003

Operator Name: ORLANDO WARD

Site Status: ACTIVE

Facility Phone #: (516) 327-3100
Site Type: MUNICIPALITY

TANK NUMBER	TANK STATUS	CHEMICAL NAME	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	DATE CLOSED
001	IN SERVICE	SODIUM HYPOCHLORITE	1100	ABOVEGROUND	06/85	

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
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SYL00108465

SODIUM HYPOCHLORITE

7681529

X

X

X

X



*** TOXIC AIR, LAND AND WATER RELEASES IDENTIFIED WITHIN THE SEARCH AREA ***

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 127 E-Z-EM INC.EPA (FINDS) Name: 751 SUMMA AVE.
EPA (FINDS) Address: E-Z-EM INC.
751 SUMMA

WESTBURY, NY 11590

WESTBURY, NY 11590

EPA Tri Id: 11590ZMNC 751SU

DEC Facility Id: 280336

MAP LOCATION INFORMATIONSite location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 3402 feet to the SSW**ADDRESS CHANGE INFORMATION**Revised street: NO CHANGE
Revised zip code: NO CHANGECHEMICAL
NAMEDISCHARGE
AMT(LBS/YR)YEAR
DISCHARGEDRELEASE
TYPEMAXIMUM
AMOUNT
STORED (LBS)

NO CHEMICAL INFORMATION GIVEN FOR THIS SITE.

Map Identification Number 128 E-Z-EM INC.EPA (FINDS) Name: 750 SUMMA AVE.
EPA (FINDS) Address: E-Z-EM INC.
750 SUMMA AVE.

WESTBURY, NY 11590

WESTBURY, NY 11590

EPA Tri Id: 11590 ZMNC750SU

EPA (FINDS) Fac. Id: NY0000110627

MAP LOCATION INFORMATIONSite location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 3470 feet to the SSW**ADDRESS CHANGE INFORMATION**Revised street: NO CHANGE
Revised zip code: NO CHANGECHEMICAL
NAMEDISCHARGE
AMT(LBS/YR)YEAR
DISCHARGEDRELEASE
TYPEMAXIMUM
AMOUNT
STORED (LBS)

NO CHEMICAL INFORMATION GIVEN FOR THIS SITE.

Map Identification Number 129 E-Z-EM INC.EPA (FINDS) Name: 750 SUMMA AVE.
EPA (FINDS) Address: E-Z-EM INC.
750 SUMMA AVE.

WESTBURY, NY 11590

WESTBURY, NY 11590

EPA Tri Id: 11590ZMNC 750SU

DEC Facility Id: 280338

MAP LOCATION INFORMATIONSite location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 3470 feet to the SSW**ADDRESS CHANGE INFORMATION**Revised street: NO CHANGE
Revised zip code: NO CHANGE

SYL00108467

CHEMICAL
NAMEDISCHARGE
AMT(LBS/YR)YEAR
DISCHARGEDRELEASE
TYPEMAXIMUM
AMOUNT
STORED (LBS)

NO CHEMICAL INFORMATION GIVEN FOR THIS SITE.

Map Identification Number 130 TISHCON CORP.(STATE ST.FAC.)

EPA Trl Id: 11590TSHCN125ST
DEC Facility Id: 281640125 STATE ST.
EPA (FINDS) Name: TISHCON CORP.
EPA (FINDS) Address: 125 STATE ST.

WESTBURY, NY 11590

WESTBURY, NY 11590

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE (2)
Approximate distance from property: 3812 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGECHEMICAL
NAMEDISCHARGE
AMT(LBS/YR)YEAR
DISCHARGEDRELEASE
TYPEMAXIMUM
AMOUNT
STORED (LBS)

METHANOL (METHYL ALCOHOL)

71301

93

STACK AIR EMISSIONS

1,000-9,999

1,1,1-TRICHLOROETHANE

37198

93

STACK AIR EMISSIONS

1,000-9,999

METHYLENE CHLORIDE (DICHLOROMETHANE)

181800

93

STACK AIR EMISSIONS

1,000-9,999

Toxicity Information Summary

CHEMICAL NAME

CAS-NO

ACUTE
TOXTUMOR
TOXMUTAG
TOXREPRO
TOXIRRIT
TOX

MCL

METHANOL (METHYL ALCOHOL)

67561

X

X

X

X

X

50 ug/L

1,1,1-TRICHLOROETHANE

71556

X

X

X

X

X

5 ug/L

METHYLENE CHLORIDE (DICHLOROMETHANE)

75092

X

X

X

X

X

5 ug/L

Map Identification Number 131 KLEARTONE INC.

EPA Trl Id: 11590KLRTN695SU
DEC Facility Id: 280790695 SUMMA AVE.
EPA (FINDS) Name: KLEARTONE INC.
EPA (FINDS) Address: 695 SUMMA AVE.

WESTBURY, NY 11590

WESTBURY, NY 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 3850 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 695 SUMMA ST
Revised zip code: NO CHANGE

SYL00108468

CHEMICAL NAME	DISCHARGE AMT(LBS/YR)	YEAR DISCHARGED	RELEASE TYPE	MAXIMUM AMOUNT STORED (LBS)
METHANOL (METHYL ALCOHOL)	1554	90	FUGITIVE AIR RELEASE	X
METHANOL (METHYL ALCOHOL)	109	90	STACK AIR EMISSIONS	X
METHANOL (METHYL ALCOHOL)	1-10	88	NO TRANSFER CODE GIVEN	X

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
METHANOL (METHYL ALCOHOL)	67561	X	X	X	X	X	50 ug/L

Map Identification Number 132 TISHCON CORP.(STATE ST.FAC.)

EPA Tri Id: 11590TSHCN125ST
DEC Facility Id: 281640EPA (FINDS) Name: 125 STATE ST.
EPA (FINDS) Address: TISHCON CORP.
125 STATE ST.

WESTBURY, NY 11590

WESTBURY, NY 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 3912 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

CHEMICAL NAME	DISCHARGE AMT(LBS/YR)	YEAR DISCHARGED	RELEASE TYPE	MAXIMUM AMOUNT STORED (LBS)
METHANOL (METHYL ALCOHOL)	71301	93	STACK AIR EMISSIONS	1,000-9,999
1,1,1-TRICHLOROETHANE	37198	93	STACK AIR EMISSIONS	1,000-9,999
METHYLENE CHLORIDE (DICHLOROMETHANE)	181800	93	STACK AIR EMISSIONS	1,000-9,999

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
METHANOL (METHYL ALCOHOL)	67561	X	X	X	X	X	50 ug/L
1,1,1-TRICHLOROETHANE	71556	X	X	X	X	X	5 ug/L
METHYLENE CHLORIDE (DICHLOROMETHANE)	75092	X	X	X	X	X	5 ug/L

SYL00108469

Map Identification Number 133 E-Z-EM INC (MAIN STREET)**EPA Tri Id: 11590ZMNC 717MA**
DEC Facility Id: 280340EPA (FINDS) Name: 717 MAIN STREET
EPA (FINDS) Address: E-Z-EM INC.
717 MAIN ST.

WESTBURY, NY 11590

WESTBURY, NY 11590

MAP LOCATION INFORMATIONSite location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4316 feet to the SSW**ADDRESS CHANGE INFORMATION**Revised street: NO CHANGE
Revised zip code: NO CHANGE

CHEMICAL NAME	DISCHARGE AMT(LBS/YR)	YEAR DISCHARGED	RELEASE TYPE	MAXIMUM AMOUNT STORED (LBS)
BARIUM COMPOUNDS	11-499	93	FUGITIVE AIR RELEASE	100,000-999,999
BARIUM COMPOUNDS	11-499	93	STACK AIR EMISSIONS	100,000-999,999
BARIUM COMPOUNDS	77826	92	LANDFILL/DISPOSAL SURFACE IMPOUNDMENT	100,000-999,999
BARIUM COMPOUNDS	22040	92	NO TRANSFER CODE GIVEN	100,000-999,999

Map Identification Number 134 UTILITY MFG.CO.INC.**EPA Tri Id: 11590TLTYM700MA**
DEC Facility Id: 281690EPA (FINDS) Name: 700 MAIN ST.
EPA (FINDS) Address: UTILITY MFG. CO. INC.
700 MAIN ST.

WESTBURY, NY 11590

WESTBURY, NY 11590

MAP LOCATION INFORMATIONSite location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4422 feet to the SSW**ADDRESS CHANGE INFORMATION**Revised street: NO CHANGE
Revised zip code: NO CHANGE

CHEMICAL NAME	DISCHARGE AMT(LBS/YR)	YEAR DISCHARGED	RELEASE TYPE	MAXIMUM AMOUNT STORED (LBS)
2-BUTANONE(METHYL ETHYL KETONE)	11-499	94	FUGITIVE AIR RELEASE	10,000-99,999
SULFURIC ACID	11-499	94	FUGITIVE AIR RELEASE	10,000-99,999

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
2-BUTANONE(METHYL ETHYL KETONE)	78933	X		X	X	X	50 ug/L
SULFURIC ACID	7664939	X		X	X	X	

SYL00108470

Map Identification Number 135 ARKWIN INDUSTRIES

EPA Tri Id: 11590RKWNN648MA

DEC Facility Id: 280090

EPA (FINDS) Name: 686 MAIN ST.
EPA (FINDS) Address: ARKWIN IND. INC.
648 MAIN ST.

WESTBURY, NY 11590

WESTBURY, NY 115909035

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 4463 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

CHEMICAL NAME	DISCHARGE AMT(LBS/YR)	YEAR DISCHARGED	RELEASE TYPE	MAXIMUM AMOUNT STORED (LBS)
1,1,1-TRICHLOROETHANE	345	93	FUGITIVE AIR RELEASE	1,000-9,999
1,1,1-TRICHLOROETHANE	190	93	STACK AIR EMISSIONS	1,000-9,999
1,1,1-TRICHLOROETHANE	34348	92	SOLV/ORG RECOV;INCIN/INSIG FUEL VAL	1,000-9,999
1,1,1-TRICHLOROETHANE	11449	92	NO TRANSFER CODE GIVEN	1,000-9,999

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
1,1,1-TRICHLOROETHANE	71556	X	X	X	X	X	5 ug/L

Map Identification Number 136 ADCHEM CORP

EPA Tri Id: 11590DCHMC625MA

DEC Facility Id: 280020

EPA (FINDS) Name: 625 MAIN ST
EPA (FINDS) Address: ADCHEM CORP.
625 MAIN ST.

WESTBURY, NY 11590

WESTBURY, NY 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (2)

Approximate distance from property: 4955 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

CHEMICAL NAME	DISCHARGE AMT(LBS/YR)	YEAR DISCHARGED	RELEASE TYPE	MAXIMUM AMOUNT STORED (LBS)
2-BUTANONE(METHYL ETHYL KETONE)	1800	94	FUGITIVE AIR RELEASE	1,000-9,999
2-BUTANONE(METHYL ETHYL KETONE)	11-499	94	STACK AIR EMISSIONS	1,000-9,999
VINYL ACETATE	11-499	94	FUGITIVE AIR RELEASE	100-999
VINYL ACETATE	11-499	94	STACK AIR EMISSIONS	100-999

SYL00108471

TOLUENE	1950	94	FUGITIVE AIR RELEASE	10,000-99,999
TOLUENE	2000	94	STACK AIR EMISSIONS	10,000-99,999
ACETONE	11-499	93	FUGITIVE AIR RELEASE	1,000-9,999
ACETONE	2400	93	STACK AIR EMISSIONS	1,000-9,999
ACETONE	11-499	92	OTHER REUSE OR RECOVERY	1,000-9,999
ACETONE	11-499	92	TRANSFER TO WASTE BROKER-ENERGY RECOV	1,000-9,999
ACETONE	11-499	92	TRANSFER TO WASTE BKR-RECYC/ENER RECOV	1,000-9,999
ACETONE	11-499	92	NO TRANSFER CODE GIVEN	1,000-9,999
2-BUTANONE(METHYL ETHYL KETONE)	11-499	92	OTHER REUSE OR RECOVERY	10,000-99,999
2-BUTANONE(METHYL ETHYL KETONE)	11-499	92	TRANSFER TO WASTE BKR-RECYC/ENER RECOV	10,000-99,999
2-BUTANONE(METHYL ETHYL KETONE)	11-499	92	NO TRANSFER CODE GIVEN	10,000-99,999
VINYL ACETATE	11-499	92	OTHER REUSE OR RECOVERY	1,000-9,999
VINYL ACETATE	11-499	92	TRANSFER TO WASTE BKR-RECYC/ENER RECOV	1,000-9,999
VINYL ACETATE	11-499	92	NO TRANSFER CODE GIVEN	1,000-9,999
TOLUENE	11-499	92	OTHER REUSE OR RECOVERY	10,000-99,999
TOLUENE	11-499	92	TRANSFER TO WASTE BROKER-ENERGY RECOV	10,000-99,999
TOLUENE	11-499	92	TRANSFER TO WASTE BKR-RECYC/ENER RECOV	10,000-99,999
TOLUENE	1100	92	NO TRANSFER CODE GIVEN	10,000-99,999
ISOPROPANOL	1-10	89	FUGITIVE AIR RELEASE	1,000-9,999
ISOPROPANOL	1-10	89	NO TRANSFER CODE GIVEN	1,000-9,999
ISOPROPANOL	1-10	89	NO TRANSFER CODE GIVEN	1,000-9,999
ISOPROPANOL	11000	89	STACK AIR EMISSIONS	1,000-9,999
XYLENE	1-10	88	FUGITIVE AIR RELEASE	X
XYLENE	1-10	88	NO TRANSFER CODE GIVEN	X
XYLENE	1-10	88	NO TRANSFER CODE GIVEN	X
XYLENE	4400	88	STACK AIR EMISSIONS	X

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
2-BUTANONE(METHYL ETHYL KETONE)	78933	X		X	X	X	50 ug/L
VINYL ACETATE	108054	X	X	X	X	X	50 ug/L
TOLUENE	108883	X	X	X	X	X	5 ug/L
ACETONE	67641	X	X	X	X	X	50 ug/L
2-BUTANONE(METHYL ETHYL KETONE)	78933	X		X	X	X	50 ug/L
VINYL ACETATE	108054	X	X	X	X	X	50 ug/L
TOLUENE	108883	X	X	X	X	X	5 ug/L
ISOPROPANOL	67630	X	X	X	X	X	
XYLENE	1330207	X	X		X	X	5 ug/L

SYL00108472

*** NO CIVIL ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN THE SEARCH AREA ***

SYL00108473

Hazardous waste codes presented in individual Toxic Information Profiles are defined below.

- B002 Petroleum oil or other liquid containing 50 ppm or greater of PCBs but less than 500 ppm PCBs. This includes oil from electrical equipment whose PCB concentration is unknown, except for circuit breakers, reclosers and cable.
- D001 Solid waste that exhibits the characteristic of ignitability, but is not listed under any other hazardous waste code.
- D002 Solid waste that exhibits the characteristic of corrosivity, but is not listed under any other hazardous waste code.
- D003 Solid waste that exhibits the characteristic of reactivity, but is not listed under any other hazardous waste code.
- D004 Arsenic
- D005 Barium
- D006 Cadmium
- D007 Chromium
- D008 Lead
- D009 Mercury
- D010 Selenium
- D011 Silver
- D018 BENZENE
- D019 Carbon Tetrachloride
- D029 1,1-Dichloroethylene
- D039 Tetrachloroethylene
- F001 The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (T)
- F002 The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (T)

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- F003 The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/blends containing, before use, only the above spent non-halogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above non-halogenated solvents, and, a total of ten percent or more (by volume) of one or more of those solvents listed in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (I)*
- F005 The following spent non-halogenated solvents: Toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (I,T)
- F006 Wastewater treatment sludges from electroplating operations except from the following processes: (1) Sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum. (T)
- P001 2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations greater than 0.3%
- P081 Nitroglycerine (R)
- P098 Potassium cyanide
- P119 Ammonium vanadate
- U001 Acetaldehyde (I)
- U052 Cresol (Cresylic acid)
- U080 Methane, dichloro-
- U095 [1,1-Biphenyl]-4,4-diamine, 3,3-dimethyl-
- U102 1,2-Benzenedicarboxylic acid, dimethyl ester
- U122 Formaldehyde
- U134 Hydrofluoric acid (C,T)
- U159 2-Butanone (I,T)
- U188 Phenol
- U208 Ethane, 1,1,1,2-tetrachloro-

SYL00108475

U213 Furan, tetrahydro-(l)

U220 Benzene, methyl-

U226 Ethane, 1,1,1-trichloro-

U239 Benzene, dimethyl- (l,T)

X721

X725

Source: U. S. Environmental Protection Agency

How Toxic Site Locations Are Mapped

Toxics Targeting maps toxic site locations on a computerized version of the U. S. Census map using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each *Toxic Site Profile*, along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12

Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street

Anytown, NY 11797

MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a computerized version of the U. S. Census map. These site locations are identified "address-matched."

Note: Some sites have an address match location and a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

2) Some toxic sites are located using map coordinates provided by site owners/operators or government agencies. These site locations are identified "map coordinate." Map coordinates for Toxics Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect.

or Manual Mapping

or Site Visit

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

SYL00108477

Information Source Guide

Toxics Targeting's Computerized Environmental Reports contain government information compiled from 16 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information.

1) **Inactive Hazardous Waste Disposal Site Registry:** New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.²

Profile data updated through: 5/24/2000.

Data obtained by Toxics Targeting: 10/5/2000.

New Facilities updated to: 6/30/2001.

Data obtained by Toxics Targeting: 9/17/2001.

2) **CERCLIS:** Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. NPL sites are also included in CERCLIS. ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.¹

Profile data updated through: 09/16/2002.

Data obtained by Toxics Targeting: 09/26/2002.

New Facilities updated through: 09/16/2002.

Data obtained by Toxics Targeting: 09/26/2002.

3) **National Priority List for Federal Superfund Cleanup:** Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.¹

Profile data updated through: 05/01/2002.

Data obtained by Toxics Targeting: 09/25/2002.

New Facilities updated through: 09/16/2002.

Data obtained by Toxics Targeting: 09/26/2002.

4) **Hazardous Substance Waste Disposal Site Study:** NYS database of waste disposal sites that may pose threats to public health or the environment, but cannot be remediated using monies from the Hazardous Waste Remedial Fund. Source: New York State Department of Environmental Conservation.²

Data updated to: 5/16/2000.

Data obtained by Toxics Targeting: 5/16/2000.

5) **Solid Waste Facilities:** NYS database of solid waste facilities, including, but not limited to, landfills, incinerators, transfer stations, recycling centers. ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.²

Data updated to: 1/01/1998.

Data obtained by Toxics Targeting: 6/30/1998.

Also includes a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.

Source: City of New York Dept. of Sanitation (1984). The Waste Disposal Problem in New York City: A Proposal For Action.

6) **Major Oil Storage Facilities:** NYS database of facilities licensed pursuant to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons. Data withheld by NYSDEC as of 4/1/2002. Fannie Mae required.** Source: New York State Department of Environmental Conservation.²

New facilities updated through: 1/1/2002.

New facilities data obtained by Toxics Targeting: 1/11/2002.

Tank data updated through: 1/1/2002.

Tank data obtained by Toxics Targeting: 1/11/2002.

7) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the DEC's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law and the Resource Conservation and Recovery Act (RCRA).

ASTM required.* Fannie Mae required.**

Source: New York State Department of Environmental Conservation.²

New facilities updated through: 9/28/2000. New facilities obtained by Toxics Targeting: 10/5/2000.

Manifest transactions data updated to: 9/28/2000. Manifest transactions data obtained by Toxics Targeting: 10/5/2000.

(b) **Notifier Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

ASTM required.* Fannie Mae required.**

Source: U. S. Environmental Protection Agency¹

New facilities updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

Data attributes updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

(c) RCRA Violations Information:

U. S. Environmental Protection Agency database of violations data reported for facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

Source: U. S. Environmental Protection Agency¹

New facilities updated through: 2/20/2001.

Data attributes updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

(d) RCRIS Corrective Action Activity (CORRACTS) Information: U. S. Environmental Protection Agency (EPA) database of hazardous waste facilities with corrective action activity. This data is part of the RCRIS National Oversight database.

Source: U. S. Environmental Protection Agency¹

Data updated through: 3/11/2002.

Data obtained by Toxics Targeting: 3/29/2002.

8) Spills Information Database: Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). The database includes *active* and *closed* spills reported before 03/01/2003.

Data updated on a rolling basis. ASTM required.* Fannie Mae.**

Source: NYS Department of Environmental Conservation.²

New spills through: 02/28/2003.

Most spill attribute data updated through 01/01/2002.

Limited spill attribute data updated to between 01/01/2002 and 02/28/2003. (See individual spill profiles.)

Active spills: paperwork not completed.

Closed spills: paperwork completed.

Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

9) Petroleum Bulk Storage Facilities: Local and State databases of aboveground and underground petroleum storage facilities with a combined storage capacity over 1,100 gallons. ASTM required.* Fannie Mae required.**

All New York Counties except Cortland, Nassau, Rockland, and Suffolk:

Source: NYS Department of Environmental Conservation.²

Update schedule: rolling basis; Data has been withheld by the NYSDEC since 4/1/2002.

Facility data updated through: 1/1/2002 (10/1/98 for Westchester Co.).

Facility data obtained by Toxics Targeting: 1/11/2002.

Tank data updated through: 1/1/2002 (10/1/98 for Westchester Co.).

Tank data obtained by Toxics Targeting: 1/11/2002.

Nassau County:

Heat producing products and other products with less than 1,000 gallons storage capacity:

Source: Nassau County Department of Health.³ Data update schedule: rolling basis

Data updated through: 10/4/2000.

Data obtained by Toxics Targeting: 11/5/2000.

Generally non-heat producing products with more than 1,000 gallons storage capacity:

Source: Nassau County Fire Marshall.⁴ Data update schedule: rolling basis with annual update

Data updated through: 9/27/1996 for mapped sites; 03/21/2000 for on-site checks.

Rockland County:

Source: Rockland County Department of Health.⁵ Data update schedule: rolling basis.

Data updated through: 8/11/1998.

Data obtained by Toxics Targeting: 8/17/1998.

Suffolk County:

Source: Suffolk County Department of Health Services.⁶ Data update schedule: annual update.

Data updated through: 1/12/1999.

Data obtained by Toxics Targeting: 2/26/1999.

10. RCRA Hazardous Waste Generators and/or Transporters Databases:

(a) Manifest Information: New York State database of hazardous waste facilities and shipments regulated by the New York State Department of Environmental Conservation's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law. ASTM required.* Fannie Mae required.**

Source: New York State Department of Environmental Conservation.²

New facilities updated through: 9/28/2000. New facilities obtained by Toxics Targeting: 10/5/2000.

Manifest transactions data updated to: 9/28/2000. Manifest transactions data obtained by Toxics Targeting: 10/5/2000.

(b) RCRA Notifier Information: U. S. Environmental Protection Agency database of hazardous waste facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

Source: U. S. Environmental Protection Agency¹

New facilities updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

Data attributes updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

(c) **RCRA Violations Information:** U.

facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

Source: U. S. Environmental Protection Agency.¹

New facilities updated through: 2/20/2001.

Data attributes updated through: 2/20/2001.

U. S. Environmental Protection Agency database of violations data reported for facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

Data obtained by Toxics Targeting: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

(d) **RCRIS Corrective Action Activity (CORRACTS) Information:** U. S. Environmental Protection Agency (EPA) database of hazardous waste facilities with corrective action activity. This data is part of the RCRIS National Oversight database.

Source: U. S. Environmental Protection Agency.¹

Data updated through: 3/11/2002.

Data obtained by Toxics Targeting: 3/29/2002.

11) **Chemical Bulk Storage Facilities:** New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and/or in underground tanks of any size. Data withheld by NYSDEC as of 4/1/2002. ASTM required.* Fannie Mae required.**

Source: New York State Department of Environmental Conservation.²

Data updated through: 1/1/2002.

Data obtained by Toxics Targeting: 1/11/2002.

12) **Toxic Release Inventory:** New York State and Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement** below.

Source: NYS Department of Environmental Conservation²/U. S. Environmental Protection Agency.¹

Data update schedule: rolling basis, with annual information summary for previous year's activities available from NYSDEC each July 1, with corrections and additional information available approximately mid-August.

Data updated through: 5/9/1996.

Data obtained by Toxics Targeting: 5/14/1996

13) **Air Discharge Facilities:** EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.

See Fannie Mae requirement** below.

Source: U. S. Environmental Protection Agency.¹

Data updated through: 11/24/1999.

Data obtained by Toxics Targeting: 1/06/2000

14) **Toxic Wastewater Discharges (Permit Compliance System):** Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement** below.

Source: U. S. Environmental Protection Agency.¹

Data updated through: 9/23/1996.

Data obtained by Toxics Targeting: 9/30/1996

15) **U. S. Environmental Protection Agency Civil Enforcement Docket:** This database is the U. S. EPA's system for tracking civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.**

Source: U. S. Environmental Protection Agency.¹

Data update schedule: quarterly. Date updated: 4/1996.

Date information obtained by Toxics Targeting: 8/1996

16) **Emergency Response Notification System (ERNS):** Federal database of spills compiled by the Emergency Response Notification System. On-site searches only. ASTM required.* See Fannie Mae requirement** below.

Source: U. S. Environmental Protection Agency.¹

Data updated through: 1/31/2000.

Data obtained by Toxics Targeting: 2/15/2000

*American Society of Testing Materials Standards on Environmental Site Assessments for Commercial Real Estate (E 1527-93, E 1528-93).

** Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

¹U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

²NYS Department of Environmental Conservation, 50 Wolf Road, Albany, NY 12233.

³Nassau County Department of Health, Bureau of Land Resources Management, 240 Old Country Road, Mineola, NY 11501.

⁴Nassau County Fire Commission, Office of the Fire Marshall, 899 Jerusalem Avenue, P. O. Box 128, Uniondale, NY 11553.

⁵Rockland County Department of Health, The Dr. Robert Yeager Health Center, Building D, Sanitorium Road, Pomona, NY 10970.

⁶Suffolk County Department of Health, Hazardous Materials Management, 15 Horseblock Place, Farmingville, NY 11738-1220.

*Toxics Targeting
Computerized
Environmental Report*

**Reported Solvent Releases
1/2-1 Mile NW
Hicksville, NY 11801**

April 07, 2003

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PLEASE REFER TO PAGES ONE AND FOUR FOR A DESCRIPTION OF SOME OF THE LIMITATIONS OF THIS COMPUTERIZED ENVIRONMENTAL REPORT.

Toxic Site Databases Analyzed In Your Report

Search Radius

Up to 2-miles



1) *New York Inactive Hazardous Waste Disposal Site Registry*: a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

Up to 2-miles



2) *CERCLIS* (Comprehensive Environmental Response, Compensation and Liability Information System): a federal listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

Up to 2-miles



3) *National Priority List for Federal Superfund Cleanup*: a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

Up to 2-miles



4) *New York Hazardous Substance Disposal Site Draft Study*: a state listing of sites contaminated with toxic substances that can pose environmental or public health hazards. These sites are not eligible for state clean up funding programs.

Up to 2-miles



5a) *Toxic Spills: active* stationary source spills reported to state environmental authorities, including unremediated leaking underground storage tanks.

Up to 2-miles



5b) *Toxic Spills: closed* stationary and non-stationary source spills reported to state environmental authorities, including remediated leaking underground storage tanks.

Up to 2-miles



6) *New York Toxic Release Inventory Facilities*: discharges of selected toxic chemicals to air, land, water or treatment facilities.

Up to 2-miles



7) *Air Discharges*: Air pollution point sources monitored by U.S. EPA and/or state and local air regulatory agencies.

Up to 2-miles



8) *Federal Civil Enforcement Docket*: civil judiciary cases filed on behalf of the U. S. Environmental Protection Agency by the Department of Justice.

Limitations Of The Information In Your Report

The information presented in your *Computerized Environmental Report* has been obtained from various local, state and federal government agencies. Please be aware that: 1) additional information on individual sites may be available, 2) newly discovered sites are continually reported and 3) all map locations are approximate. As a result, this report is intended to be the FIRST STEP in the process of identifying and evaluating possible environmental threats to specific properties and can only serve as a guide for conducting on-site visits or additional, more detailed toxic hazard research.

Toxics Targeting tries to ensure that the information in your report is presented accurately and with minimal alteration. The only systematic changes that are made correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Please be aware of some other limitations of the information in your report:

- The computerized map used by *Toxics Targeting* is the same one used by the U. S. Census. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated on the Census map. FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;
- UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 8 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;
- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in zip code areas within one mile of the target address as well as toxic sites without zip codes reported in the same county. IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT TOXICS TARGETING AND REFER TO THE SITE ID NUMBER.
- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere. YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;
- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.
- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.

Section One:

Report Summary

- *Table One:* *Number of Identified Toxic Sites By Distance Interval*
- *Table Two:* *Identified Toxic Sites Ranked By Proximity*
- *Table Three:* *Identified Toxic Sites By Category*
- *Map One:* *Project Overview Map*
- *Map Two:* *Site Map*

NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

Database Searched	0 - 100 ft	100 ft - 1/8 mi	1/8 mi - 1/4 mi	1/4 mi - 1/2 mi	1/2 mi - 1 mi	Site(s) Category Totals
NYS Inactive Hazardous Waste Disposal Sites	Not searched	Not searched	Not searched	Not searched	0	0
CERCLIS Sites	Not searched	Not searched	Not searched	Not searched	2	2
National Priority List Sites	Not searched	Not searched	Not searched	Not searched	0	0
Hazardous Substance Waste Disposal Sites	Not searched	Not searched	Not searched	Not searched	2	2
NYS Toxic Spills (Incl. Leaking Undrgrnd Storage Tanks)	Not searched	Not searched	Not searched	Not searched	2	2
Toxic Release Inventory Sites (TRI)	Not searched	Not searched	Not searched	Not searched	0	0
NYS Air Discharges	Not searched	Not searched	Not searched	Not searched	1	1
Civil Enforcement Docket Facilities	Not searched	Not searched	Not searched	Not searched	0	0
Distance Interval Totals	Not searched	Not searched	Not searched	Not searched	7	7

SYL00109317

Identified Toxic Sites by Proximity

Reported Solvents - 1/2-1 Mile NW, Hicksville, NY 11801

* Compass directions can vary substantially for sites located very close to the subject property address.

Map Id#	Site Name	Site Street	Approximate Distance From Property	Toxic Site Category
5	HASSEL INC	CANTIAQUE ROCK ROAD	2780 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
3	JOHN HASSALL	CANTIAQUE ROCK ROAD	2802 feet to the NNW	Hazardous Substance Waste Disposal Site
1	JOHN HASSALL	CONTIAQUE ROCK RD	2804 feet to the NNW	CERCLIS Site
4	BRINKMANN INSTRUMENTS INC.	CANTIAQUE ROCK ROAD	3156 feet to the NNW	Hazardous Substance Waste Disposal Site
2	BRINKMAN INSTRUMENTS	CANTIAQUE ROCK ROAD	3162 feet to the NNW	CERCLIS Site
6	ECLIPSE PRESS	201 MONTROSE ROAD	4063 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
7	GETTY PETROLEUM MARKETING INC	125 JERICHO TPKE	5075 feet to the NNW	Air Discharge Site

SYL00109318

Identified Toxic Sites by Category

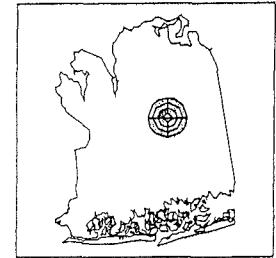
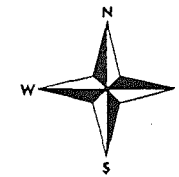
Reported Solvents - 1/2-1 Mile NW
Hicksville, NY 11801

* Compass directions can vary substantially for sites located very close to the subject property address.

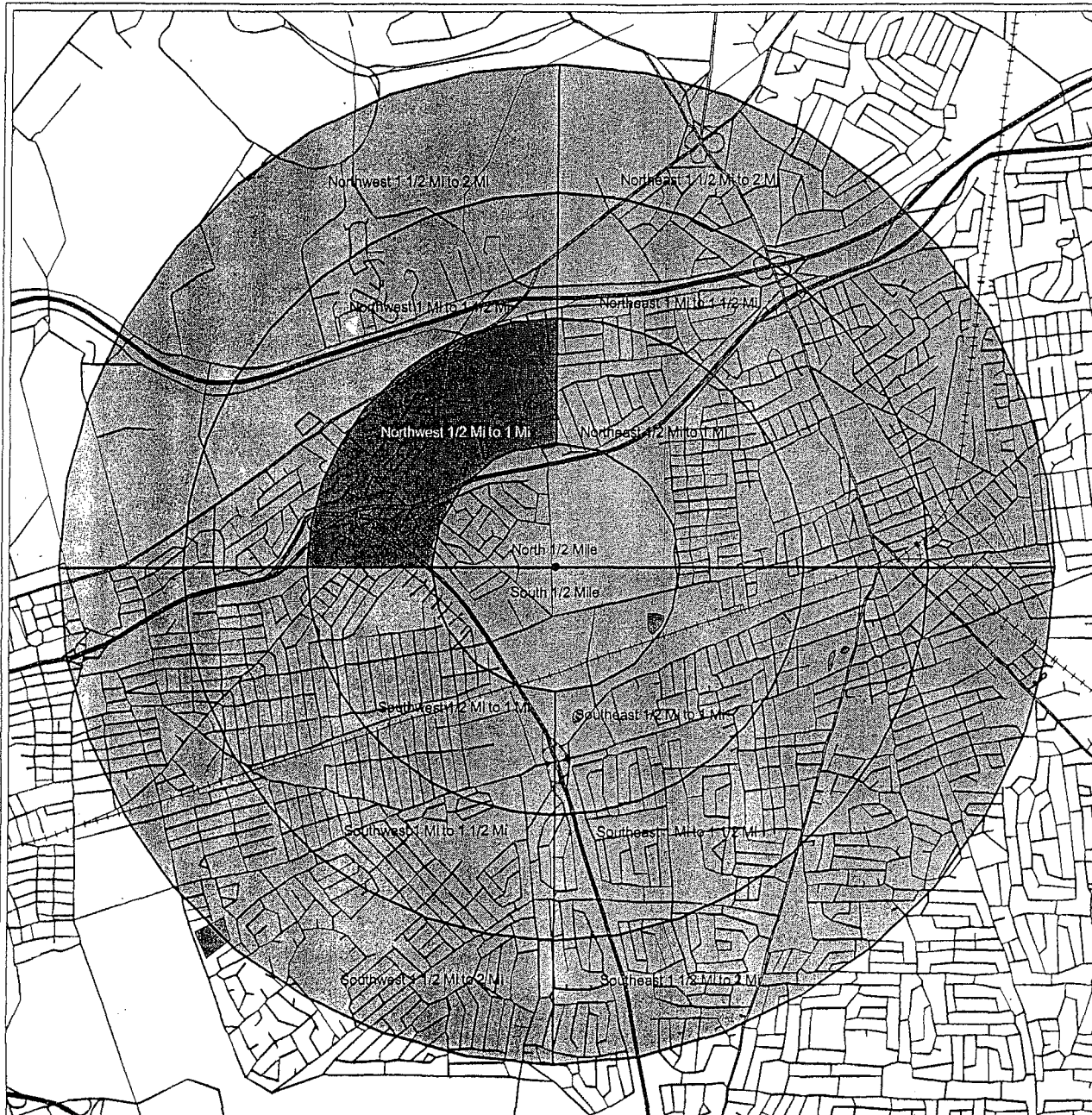
CERCLIS Sites				
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
1	NYD002045417	JOHN HASSALL	CONTIAGUE ROCK RD	2804 feet to the NNW
2	NYD152088142	BRINKMAN INSTRUMENTS	CANTIAQUE ROCK ROAD	3162 feet to the NNW
Hazardous Substance Waste Disposal Sites				
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
3		JOHN HASSALL	CANTIAQUE ROCK ROAD	2802 feet to the NNW
4		BRINKMANN INSTRUMENTS INC.	CANTIAQUE ROCK ROAD	3156 feet to the NNW
Closed Status Spills (Miscellaneous Spill Causes)				
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
5	9004627	HASSEL INC	CANTIAQUE ROCK ROAD	2780 feet to the NNW
6	9106455	ECLIPSE PRESS	201 MONTROSE ROAD	4063 feet to the NNW
Air Discharge Sites				
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
7	3610300275	GETTY PETROLEUM MARKETING INC	125 JERICHO TPKE	5075 feet to the NNW

SYL00109319

**Toxics Targeting
Project Area Overview Map**
with highlighted section for this report
Reported Solvents - 1/2-1 Mile NW
Hicksville, NY 11801



Nassau County



- | | | |
|--------------|---------------|-----------------|
| Project Area | Subject Area | Waterbody |
| Minor Roads | | |
| Major Roads | | |
| Expressways | | |
| | County Border | Railroad Tracks |

SYL00109320

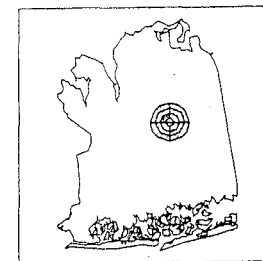
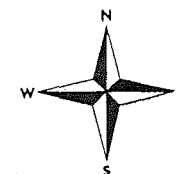
SYL00109321



Scale: 1 inch = 788 feet

Toxics Targeting Site Map

Reported Solvents - 1/2-1 Mile NW
Hicksville, NY 11801



Nassau County

- ⊕ NPL, CERCLIS, NYSDEC Inactive Hazardous Waste Disposal Registry or Registry Qualifying Site
- ⊗ Hazardous Substance Waste Disposal Site
- ✱ Toxic Release
- ⊠ Civil Enforcement Docket Facility
- ★ MTBE Gasoline Additive Spill
- ☆ Hazardous Material Spill
- △ Air Release

- Subject Area
- Minor Roads
- == Major Roads
- == Expressways
- Waterbody
- - - County Border
- ++++ Railroad Tracks

140 Cantiague Rock Rd

Section Two: Toxic Site Profiles

The heading of each *Toxic Site Profile* refers to the site's map location and details:

- The facility name, address, city, state, and zip code (This information does not appear in the headings for Inactive Hazardous Waste Disposal Sites).
- Any changes that were made to a site's address in order to map its location.
- The site mapping method that was used (see *How Sites are Located*, at the end of this section for more information).

Toxic Site Profiles summarize information provided by site owners or operators and government agencies regarding various toxic chemical activities reported at each site, such as:

- Whether chemicals were stored, produced, transported, discharged or disposed of.
- The name of chemicals and their Chemical Abstract Series (CAS) numbers;
- The amount of chemicals and the units (gallons/pounds) the chemical was measured in.
- Whether the site or storage tanks at the site are currently active or inactive.
- Special codes used by government agencies to regulate hazardous waste activities at some sites
(A complete description of the codes follows the profiles section).

For selected individual chemicals reported at various toxic sites, some potential health effect summary information appears below the site profile. Each potential health effect summary identifies chemicals by name and by Chemical Abstract Series (CAS) Number. An "x" under each potential health effect heading indicates positive toxicity testing results reported by the National Institute of Occupational Safety and Health's Registry of Toxic Effects of Chemical Substances (RTECS). Some chemicals (mostly appearing in profiles of Hazardous Waste facilities), are reported as mixtures, and RTECS health effect information is only available for individual chemicals. In addition, RTECS only provides information on approximately 100,000 common chemicals. Consequently, the absence of potential health effect summary information for a particular chemical identified in a Toxic Site Profile does not necessarily mean that the chemical does not pose potential health effects.

The Maximum Contaminant Level (MCL) in drinking water allowed for selected chemicals is also noted. In most cases, the only applicable MCL has been set by the New York State Department of Health (NYSDOH). Where NYSDOH has not set an MCL, the federal standard, if one exists, is listed and is marked by an asterisk.

Presented below are column headings that describe the health effect definitions used in RTECS and applicable New York State and federal drinking water standards. Reference sources for information presented in this section are also provided.

ACUTE TOX: **Acute Toxicity:** Short-term exposure to this chemical can cause lethal and non-lethal toxicity effects not included in the following four categories.

TUMOR TOX: **Tumorigenic Toxicity:** The chemical can cause an increase in the incidence of tumors.

MUTAG TOX: **Mutagenic Toxicity:** The chemical can cause genetic alterations that are passed from one generation to the next.

REPRO TOX: **Reproductive toxicity:** May signify one of the following effects: maternal effects, paternal effects, effects on fertility, effects on the embryo or fetus, specific developmental abnormalities, tumorigenic effects, or effects on the newborn (only positive reproductive effects data for mammalian species are referenced)

IRRIT TOX: **Primary Irritant:** The chemical can cause eye or skin irritation

MCL: **Drinking Water Standard - Maximum Contaminant Level (MCL)** listed under Drinking Water Supplies, 10 NYCRR Part 5, Subparts 1.51(f),(g), and (h) for NYDOH MCL's and under the Safe Drinking Water Act, 40 CFR 141, Subparts B and G, (* indicates value for total trihalomethanes) for federal MCL's.

Reference Source for Toxicity Information: Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH (on-line database); For further information, contact: NIOSH, 4676 Columbia Parkway, Cincinnati, OH, 45226, 800/35-NIOSH.

Reference Source for Drinking Water Standards: New York State Department of Health, Bureau of Toxic Substances Assessment, 2 University Place, Room 240, Albany, NY 12203, 518/458-6373.

U.S. Environmental Protection Agency, Office of Drinking Water, 401 M St SW, Mailstop WH-556, Washington, DC, 20460, 202/260-5700.

Inactive Hazardous Waste Disposal Site Classifications: 1 -- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or the environment -- immediate action required;

2 -- Significant threat to the public health or environment -- action required;

3 -- Does not Present a significant threat to the environment or public health -- action may be deferred;

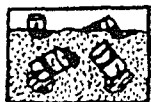
4 -- Site properly closed --requires continued management;

5 -- Site properly closed, no evidence of present or potential adverse impact -- no further action required;

2a -- This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law.

D1, 2, 3 -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed)

SYL00109323



*** NPL/CERCLIS/INACTIVE HAZARDOUS WASTE DISPOSAL SITES IDENTIFIED WITHIN THE SEARCH AREA ***

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 1

JOHN HASSALL
CONTIAGUE ROCK RD

WESTBURY, NY 11590

EPA Facility Id: NYD002045417

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 2804 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - X NYSDEC REGISTRY -

USEPA COMPREHENSIVE ENVIRONMENTAL RESPONSE
COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)

SITE INFORMATION

EPA-ID: NYD002045417
Site Name: JOHN HASSALL
Site Street: CONTIAGUE ROCK RD
Site City/State/Zip: WESTBURY, NY 11590

Site-ID: 0201339

NFRAP (No Further Remedial Activity Planned) Indicator:

Owner Indicator: Other
Incident Type:
Incident Category:
Non-NPL Status: Site Reassessment Start Needed
Federal Facility Flag: Not a Federal Facility

NPL Status Indicator: Not on the NPL
USGS Hydrological Unit: 02030202
RCRA Flag:

SITE DESCRIPTION:

THIS IS SITE IS AN ACTIVE FACILITY. THE WASTEWATER PRODUCED ARE HIGH IN HEAVY METALS. SPENT CLEANING SOLVENTS ARE THE HAZARDOUS WASTES PRODUCED. TESTING PERFORMED IN 1984 BY HASALL ON INFLUENT AND A SLURRY FROM THE TRTMNT PLANT SHOW HGH AMT

OPERABLE UNIT INFORMATION

Operable Unit ID: 00 Operable Unit Name: SITEWIDE

ACTION INFORMATION

Name: DISCOVERY
Lead: EPA Fund-Financed
Qualifier:

Current Plan Start Date:
Current Plan Completion Date:
Actual Start Date:

SYL00109324

Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: No Entry into IFMS

Actual Completion Date: 19801001
Operable Unit ID: 00
Financial Budget Source:

Name: PRELIMINARY ASSESSMENT
Lead: EPA Fund-Financed
Qualifier: Low
Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: Both Intramural and Extramural Entry into IFMS

Current Plan Start Date:
Current Plan Completion Date:
Actual Start Date:
Actual Completion Date: 19860924
Operable Unit ID: 00
Financial Budget Source: Remedial

Name: SITE INSPECTION
Lead: EPA Fund-Financed
Qualifier: Low
Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: Both Intramural and Extramural Entry into IFMS

Current Plan Start Date:
Current Plan Completion Date:
Actual Start Date: 19880610
Actual Completion Date: 19880620
Operable Unit ID: 00
Financial Budget Source: Remedial

Name: REMOVAL ASSESSMENT
Lead: EPA Fund-Financed
Qualifier:
Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: Both Intramural and Extramural Entry into IFMS

Current Plan Start Date:
Current Plan Completion Date:
Actual Start Date: 19970210
Actual Completion Date: 19970912
Operable Unit ID: 00
Financial Budget Source: Removal

FINANCIAL INFORMATION

No financial information was provided.

Map Identification Number 2 BRINKMAN INSTRUMENTS
CANTIAGUE ROCK ROAD

WESTBURY, NY 11590 EPA Facility Id: NYD152088142

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 3162 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - X NYSDEC REGISTRY -

SYL00109325

USEPA COMPREHENSIVE ENVIRONMENTAL RESPONSE
COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)

SITE INFORMATION

EPA-ID: NYD152088142
Site Name: BRINKMAN INSTRUMENTS
Site Street: CANTIAGUE ROCK ROAD
Site City/State/Zip: WESTBURY, NY 11590

Site-ID: 0202989

NFRAP (No Further Remedial Activity Planned) Indicator: NO FURTHER REMEDIAL ACTION PLANNED

Owner Indicator: Unknown
Incident Type:
Incident Category:
Non-NPL Status: NFRAP
Federal Facility Flag: Not a Federal Facility

NPL Status Indicator: Not on the NPL
USGS Hydrological Unit: 02030202
RCRA Flag: YES (RCRA FACILITY)

SITE ALIAS INFORMATION

Alias Name: BRINKMAN INSTRUMENTS
Alias Street: NY
Alias City/State/Zip: NASSAU

Alias ID: 101

OPERABLE UNIT INFORMATION

Operable Unit ID: 00
Operable Unit Name: SITEWIDE

ACTION INFORMATION

Name: DISCOVERY
Lead: EPA Fund-Financed
Qualifier:
Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: No Entry into IFMS

Current Plan Start Date:
Current Plan Completion Date:
Actual Start Date:
Actual Completion Date: 19890201
Operable Unit ID: 00
Financial Budget Source:

Name: PRELIMINARY ASSESSMENT
Lead: EPA Fund-Financed
Qualifier: NFRAP (No Further Remedial Action Planned)
Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: Both Intramural and Extramural Entry into IFMS

Current Plan Start Date:
Current Plan Completion Date:
Actual Start Date: 19890301
Actual Completion Date: 19890522
Operable Unit ID: 00
Financial Budget Source: Remedial

Name: ARCHIVE SITE

Current Plan Start Date:

SYL00109326

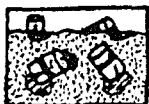
Lead: EPA In-House
Qualifier:
Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: No Entry into IFMS

Current Plan Completion Date:
Actual Start Date:
Actual Completion Date: 19890522
Operable Unit ID: 00
Financial Budget Source:

FINANCIAL INFORMATION

No financial information was provided

SYL00109327



*** HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES IDENTIFIED WITHIN THE SEARCH AREA ***

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 3

JOHN HASSALL
CANTIAQUE ROCK ROAD

Site Number Id:
WESTBURY, NY 11590

Registry ID New

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 2802 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Hazardous Waste Remediation
Hazardous Substance Waste Disposal Site Study

Inventory Status: Removed from the Hazardous Substance Inventory
Reason site did not qualify for the Inventory:
Current Registry site

SITE INFORMATION

Site Name: JOHN HASSALL
Site Street: CANTIAQUE ROCK ROAD
Site City: WESTBURY
Site Zip: 11590
Region: 1

Site Number:
Registry: Yes
Registry Site ID: New
RCRA: Unknown
EPA ID: NYD002045417

US EPA No Further Remedial Action Planned? Unknown

Site Code: 1
Description: INDUSTRIAL SITE

Acres: 0.00
Completed Investigation? FDSI
Is Site Active: Unknown
Years of Operation: 1953 to Unknown

Quadrangle: Unknown
HRS Score: Unknown
HRS Date: Unknown

Site Description:

A specialty nail & fastener manufacturer discharged untreated and treated industrial wastewater to a recharge basin/aquifer. An oil and grease spill occurred in 1987 near the underground storage tanks. A listing package is being prepared to classify the site as class 2.

Owner: Private
Owner Name: THEODORE SMITH JR.
Owner Street: CANTIAQUE ROCK ROAD
Owner City/ZIP/State: WESTBURY NY, 11590

Operator: Private
Operator Name: KARL HORLITZ
Operator Street: SAME
Operator City/ZIP/State:

SYL00109328

Owner Telephone: (516) 334-6200

Operator Telephone: Unknown

SITE IMPACT DATA

Affected Media:

Contamination of...		Hazardous Substance Exposed?	Unknown
...Surface Water?	No	Controlled Site Access?	Unknown
...Groundwater?	Unknown	Ambient Air Contamination?	Unknown
...Drinking Water?	Unknown	Threat of Direct Contact?	Unknown
Surface Water Class:	Unknown	Documented Fish or Wildlife Mortality?	No
Groundwater Class:	Unknown	Impact on Special Status Fish or Wildlife Resource?	No
		Active Drinking Water Supply?	Unknown

Descriptions:

Surface Water:

The only possible surface water route is contained by berms and liners under the waste.

Groundwater:

The nearest groundwater depth is 68 feet, flowing in a Southeast direction.

Drinking Water:

The nearest water supply distance is 900 feet away in a northeast direction.

Fish or Wildlife Mortality: None provided

Special Status Fish or Wildlife Resource: None provided

Building: None provided

THREAT TO THE ENVIRONMENT OR PUBLIC HEALTH

Threat to the Environment or the Public Health: Environment/Public Health

Threat Posed by Disposed Hazardous Substance:

The groundwater route of contamination is unknown, aquifers underlying the site are used for drinking. Contaminants are present on site and a strong potential exists that groundwater contamination has occurred.

HAZARDOUS SUBSTANCES DISPOSED:

VOCs: Yes Semi-VOCs: Yes PCBs: Yes Pesticides: Yes Metals: Yes Asbestos: No

Hazardous Substances Disposed:

Pesticides (4,4 DDE 550 ug/kg, 4,4 DDT 450 ug/kg), trichloroethane 15 ug/kg, toluene 21 ug/kg, benzoic acid 6000 ug/kg, chlordane, PCB's 1300 ug/kg, metals, cyanide .63 ug/kg, aluminium 16700 ug/kg, chromium 151 ug/kg, copper 250 ug/kg, lead 145 ug/kg, nickel 206 ug/kg, zinc 167 ug/kg

SYL00109329

SELECTED ANALYTICAL INFORMATION:

Samples Collected:
Subsurface, Waste

Air: None provided
Surface Water: None provided
Surface Soil: None provided
Waste: None provided
EPToxicity: None provided
Groundwater: None provided
Sediment: None provided
Subsurface Soil: None provided
Leachate: None provided
TCLP: None provided

AGENCY INFORMATION:

Regulatory Agencies Involved:
US EPA

Preparer: None provided

Map Identification Number 4 BRINKMANN INSTRUMENTS INC.
CANTIAQUE ROCK ROAD

Site Number Id: HS1003 Registry ID N
WESTBURY, NY 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 3156 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: CANTIAQUE ROCK RD
Revised zip code: NO CHANGE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Hazardous Waste Remediation
Hazardous Substance Waste Disposal Site Study

Inventory Status: Currently Listed in the Hazardous Substance Inventory

SITE INFORMATION

Site Name: BRINKMANN INSTRUMENTS INC.
Site Street: CANTIAQUE ROCK ROAD
Site City: WESTBURY

Site Number: HS1003
Registry: No
Registry Site ID: None

SYL00109330

Site Zip: 11590
Region: 1

RCRA: Unknown
EPA ID: NYD002054351

US EPA No Further Remedial Action Planned? True

Site Code: 1
Description: INDUSTRIAL SITE

Acres: 10.00
Completed Investigation? FDPA
Is Site Active: Unknown
Years of Operation: 1974 to Unknown

Quadrangle: HICKSVILLE NY
HRS Score: Unknown
HRS Date: Unknown

Site Description:

The waste unit is a septic tank outside the Brinkmann building within the site limits. A drain connects the septic tank to a laboratory drain.

Owner: Private
Owner Name: BRINKMANN INSTRUMENTS INC.
Owner Street: CANTIAQUE ROCK RD.
Owner City/ZIP/State: WESTBURY, NY 11590
Owner Telephone: (516)334-7500

Operator: Private
Operator Name: SAME
Operator Street: SAME
Operator City/ZIP/State:
Operator Telephone: Same

SITE IMPACT DATA

Affected Media:

Contamination of...
...Surface Water? No
...Groundwater? Unknown
...Drinking Water? Unknown
Surface Water Class: Unknown
Groundwater Class: Sole

Hazardous Substance Exposed? Unknown
Controlled Site Access? Unknown
Ambient Air Contamination? Unknown
Threat of Direct Contact? Unknown
Documented Fish or Wildlife Mortality? No
Impact on Special Status Fish or Wildlife Resource? No
Active Drinking Water Supply? Yes

Descriptions:

Surface Water: None provided

Groundwater:
Groundwater flows south at a depth of 68 feet.

Drinking Water:
The nearest water supply is 600 feet to the east.

Fish or Wildlife Mortality: None provided
Special Status Fish or Wildlife Resource: None provided

SYL00109331

Building: None provided

THREAT TO THE ENVIRONMENT OR PUBLIC HEALTH

Threat to the Environment or the Public Health: None

Threat Posed by Disposed Hazardous Substance:

Direct contact is not a threat. There are no known wells that are at a depth where contaminants may be found.

HAZARDOUS SUBSTANCES DISPOSED:

VOCs: Yes Semi-VOCs: No PCBs: No Pesticides: No Metals: No Asbestos: No

Hazardous Substances Disposed:

acetone, chloroform, 1,2 dichloroethane, ethyl acetate, methanol, dichloromethane

SELECTED ANALYTICAL INFORMATION:

Samples Collected:
None

Air: None provided
Surface Water: None provided
Surface Soil: None provided
Waste: None provided
EPToxicity: None provided
Groundwater: None provided
Sediment: None provided
Subsurface Soil: None provided
Leachate: None provided
TCLP: None provided

AGENCY INFORMATION:

Regulatory Agencies Involved:

Preparer:

Julie Welch February 22, 1994

SYL00109332



NO ACTIVE TANK FAILURES IDENTIFIED WITHIN THE SEARCH AREA

SYL00109333



NO ACTIVE TANK TEST FAILURES IDENTIFIED WITHIN THE SEARCH AREA

SYL00109334



NO ACTIVE UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN THE SEARCH AREA

SYL00109335



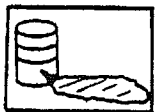
NO ACTIVE HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN THE SEARCH AREA.

SYL00109336



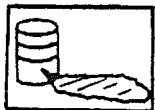
NO CLOSED STATUS TANK FAILURES IDENTIFIED WITHIN THE SEARCH AREA

SYL00109337



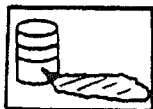
NO CLOSED STATUS TANK TEST FAILURES IDENTIFIED WITHIN THE SEARCH AREA

SYL00109338



NO CLOSED STATUS UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN THE SEARCH AREA

SYL00109339



CLOSED STATUS HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN THE SEARCH AREA.

* - Compass directions can vary substantially for sites located very close to the subject property address.

**Site profiles in this report section contain up to 36 data fields of information obtained from the New York Department of Environmental Conservation. Since 1/1/02, the DEC has only released information for 12 of those data fields: spill name, address components, spill date, close date, material spilled, quantity spilled, units, cause of spill and resource affected. The date after "Information updated through:" indicates when these 12 data fields were last updated. The other 24 data fields are only updated through 1/1/02.

Map Identification Number 5

HASSEL INC
CANTIAGUE ROCK ROAD

Spill Number: 9004627 **Close Date: 07/27/1990**
WESTBURY, NY NO ZIP PROVIDED

**Information updated through: 01/01/2002

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)
Approximate distance from property: 2780 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

Source of Spill: OTHER NON COMM/INSTITUTIONAL
Notifier Type: HEALTH DEPARTMENT
Caller Name: ROBIN RHODES
DEC Investigator: NCDH

Spiller: HASSEL INC
Notifier Name:
Caller Agency: NCDH
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (516) 535-2404
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected		Meets Cleanup Standards		Penalty Recommended	
07/23/1990	07/27/1990	EQUIPMENT FAILURE	GROUNDWATER		UNKNOWN		NO	
Material Spilled		Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
SOLVENTS		NON-PETROLEUM/NON-HAZARDOUS	0	GALLONS	NO	0	GALLONS	NO

Caller Remarks: ROUTINE TANK REMOVAL OF 1-3K TANK. NCDH USED HUN TO SCREEN SOIL. 40-50 YDS REMOVED AND STOCKPILED ON SITE.
NO OTHER ACTION NEEDED AS PER NCDH

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

SYL00109340

Map Identification Number 6 ECLIPSE PRESS
201 MONTROSE ROAD

Spill Number: 9106455 Close Date: 10/07/1991
WESTBURY, NY NO ZIP PROVIDED

**Information updated through: 01/01/2002

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 4063 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11590

Source of Spill: OTHER COMM/INDUSTRIAL
Notifier Type: CITIZEN
Caller Name: ANONYMOUS
DEC Investigator: HAAS

Spiller: ECLIPSE PRESS
Notifier Name:
Caller Agency:
Contact for more spill info:

Spiller Phone: (516) 997-6030
Notifier Phone:
Caller Phone:
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected		Meets Cleanup Standards		Penalty Recommended	
09/09/1991	10/07/1991	DELIBERATE	IN SEWER		UNKNOWN		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?	
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	NO	0	GALLONS	NO	
PRESS WASH CHEMICALS	NON-PETROLEUM/NON-HAZARDOUS	0	UNKNOWN	NO	0	UNKNOWN	NO	

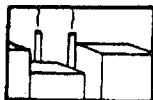
Caller Remarks: PRINTING CO WAS TOLD TO GET RID OF DRUMS ON PREMISES, GOT AN ESTIMATE OF \$4000 TO REMOVE, SO BOSS ORDERED EMPLOYEES TO PUNCH HOLES IN DRUMS AFTER TAKING THEM INTO PARKING LOT, STAIN REMAINS,

DEC Investigator Remarks:

10/07/91: HAAS REQUIRED PROPER DISPOSAL OF DRUMS CONTAINING MATERIAL ON SITE. WATER SAMPLES FROM LEACHING POOLS INDICATED NO CONTAMINATION. NO FURTHER ACTION.

** See beginning of spills section for more details.

SYL00109341



*** NO TOXIC AIR, LAND AND WATER RELEASES IDENTIFIED WITHIN THE SEARCH AREA ***

SYL00109342



*** AIR DISCHARGE FACILITIES IDENTIFIED WITHIN THE SEARCH AREA ***

PLEASE NOTE: *Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 7**GETTY PETROLEUM MARKETING INC**
125 JERICO TPKEEPA (FINDS) Name: GETTY PETROLEUM CORPORATION
EPA (FINDS) Address: 125 JERICO TURNPIKE**Facility Id: 3610300275**
JERICO, NY 11753**State-county CDS Id: 3610300275**
State-county NED Id:

JERICO 11753

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)

Approximate distance from property: 5075 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: 125 JERICO TURNPIKE

Revised zip code: NO CHANGE

CDS-ID: 00275
Plant Phone #1: (516)338-6000
Operating Status: OPERATINGNED-ID: None Given
Plant Phone #2: None Given

EPA-ID: NYD987002524

FINDS-ID: NYD987002524

EPA Classification:

State Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR

EPA Plant Compliance Status:

State Plant Compliance Status: IN VIOLATION - NO SCHEDULE

AIR PROGRAM INFORMATION

Regulatory Air Program: SIP SOURCE

Program Status: OPERATING

POLLUTANT INFORMATION

Pollutant: VOLATILE ORGANIC COMPOUNDS

State Pollutant Compliance for this pollutant: IN VIOLATION - NO SCHEDULE

SYL00109343

*** NO CIVIL ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN THE SEARCH AREA ***

SYL00109344

How Toxic Site Locations Are Mapped

Toxics Targeting maps toxic site locations on a computerized version of the U. S. Census map using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each *Toxic Site Profile*, along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12

Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street

Anytown, NY 11797

MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a computerized version of the U. S. Census map. These site locations are identified "address-matched."

Note: Some sites have an address match location and a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

2) Some toxic sites are located using map coordinates provided by site owners/operators or government agencies. These site locations are identified "map coordinate." Map coordinates for Toxics Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect.

or Manual Mapping

or Site Visit

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

SYL00109345

Information Source Guide

Toxics Targeting's Computerized Environmental Reports contain government information compiled from 16 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information.

1) **Inactive Hazardous Waste Disposal Site Registry**: New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. ASTM required.* Fannie Mae required.**

Source: New York State Department of Environmental Conservation.²

Profile data updated through: 5/24/2000.

Data obtained by Toxics Targeting: 10/5/2000.

New Facilities updated to: 6/30/2001.

Data obtained by Toxics Targeting: 9/17/2001.

2) **CERCLIS**: Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. NPL sites are also included in CERCLIS. ASTM required.* Fannie Mae required.**

Source: U. S. Environmental Protection Agency.¹

Profile data updated through: 09/16/2002.

Data obtained by Toxics Targeting: 09/26/2002.

New Facilities updated through: 09/16/2002.

Data obtained by Toxics Targeting: 09/26/2002.

3) **National Priority List for Federal Superfund Cleanup**: Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. ASTM required.* Fannie Mae required.**

Source: U. S. Environmental Protection Agency.¹

Profile data updated through: 05/01/2002.

Data obtained by Toxics Targeting: 09/25/2002.

New Facilities updated through: 09/16/2002.

Data obtained by Toxics Targeting: 09/26/2002.

4) **Hazardous Substance Waste Disposal Site Study**: NYS database of waste disposal sites that may pose threats to public health or the environment, but cannot be remediated using monies from the Hazardous Waste Remedial Fund.

Source: New York State Department of Environmental Conservation.²

Data updated to: 5/16/2000.

Data obtained by Toxics Targeting: 5/16/2000.

5) **Solid Waste Facilities**: NYS database of solid waste facilities, including, but not limited to, landfills, incinerators, transfer stations, recycling centers. ASTM required.* Fannie Mae required.**

Source: New York State Department of Environmental Conservation.²

Data updated to: 1/01/1998.

Data obtained by Toxics Targeting: 6/30/1998.

Also includes a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.

Source: City of New York Dept. of Sanitation (1984). The Waste Disposal Problem in New York City: A Proposal For Action.

6) **Major Oil Storage Facilities**: NYS database of facilities licensed pursuant to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons. Data withheld by NYSDEC as of 4/1/2002. Fannie Mae required.**

Source: New York State Department of Environmental Conservation.²

New facilities updated through: 1/1/2002.

New facilities data obtained by Toxics Targeting: 1/11/2002.

Tank data updated through: 1/1/2002.

Tank data obtained by Toxics Targeting: 1/11/2002.

7) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases**:

(a) **Manifest Information**: New York State database of hazardous waste facilities and shipments regulated by the DEC's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law and the Resource Conservation and Recovery Act (RCRA).

ASTM required.* Fannie Mae required.**

Source: New York State Department of Environmental Conservation.²

New facilities updated through: 9/28/2000. New facilities obtained by Toxics Targeting: 10/5/2000.

Manifest transactions data updated to: 9/28/2000. Manifest transactions data obtained by Toxics Targeting: 10/5/2000.

(b) **Notifier Information**: U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

ASTM required.* Fannie Mae required.**

Source: U. S. Environmental Protection Agency¹

New facilities updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

Data attributes updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

SYL00109346

(c) RCRA Violations Information:

U. S. Environmental Protection Agency database of violations data reported for facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

Source: U. S. Environmental Protection Agency¹

New facilities updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

Data attributes updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

(d) RCRIS Corrective Action Activity (CORRACTS) Information: U. S. Environmental Protection Agency (EPA) database of hazardous waste facilities with corrective action activity. This data is part of the RCRIS National Oversight database.

Source: U. S. Environmental Protection Agency¹

Data updated through: 3/11/2002.

Data obtained by Toxics Targeting: 3/29/2002.

8) Spills Information Database: Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). The database includes *active* and *closed* spills reported before 03/01/2003.

Data updated on a rolling basis. ASTM required.* Fannie Mae.**

Source: NYS Department of Environmental Conservation.²

New spills through: 02/28/2003.

Most spill attribute data updated through 01/01/2002.

Limited spill attribute data updated to between 01/01/2002 and 02/28/2003. (See individual spill profiles.)

Active spills: paperwork not completed.

Closed spills: paperwork completed.

Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

9) Petroleum Bulk Storage Facilities: Local and State databases of aboveground and underground petroleum storage facilities with a combined storage capacity over 1,100 gallons. ASTM required.* Fannie Mae required.**

All New York Counties except Cortland, Nassau, Rockland, and Suffolk:

Source: NYS Department of Environmental Conservation.²

Update schedule: rolling basis; Data has been withheld by the NYSDEC since 4/1/2002.

Facility data updated through: 1/1/2002 (10/1/98 for Westchester Co.).

Facility data obtained by Toxics Targeting: 1/11/2002.

Tank data updated through: 1/1/2002 (10/1/98 for Westchester Co.).

Tank data obtained by Toxics Targeting: 1/11/2002.

Nassau County:

Heat producing products and other products with less than 1,000 gallons storage capacity:

Source: Nassau County Department of Health.³ Data update schedule: rolling basis

Data updated through: 10/4/2000.

Data obtained by Toxics Targeting: 11/5/2000.

Generally non-heat producing products with more than 1,000 gallons storage capacity:

Source: Nassau County Fire Marshall.⁴ Data update schedule: rolling basis with annual update

Data updated through: 9/27/1996 for mapped sites; 03/21/2000 for on-site checks.

Rockland County:

Source: Rockland County Department of Health.⁵ Data update schedule: rolling basis.

Data updated through: 8/11/1998.

Data obtained by Toxics Targeting: 8/17/1998.

Suffolk County:

Source: Suffolk County Department of Health Services.⁶ Data update schedule: annual update.

Data updated through: 1/12/1999.

Data obtained by Toxics Targeting: 2/26/1999.

10. RCRA Hazardous Waste Generators and/or Transporters Databases:

(a) Manifest Information: New York State database of hazardous waste facilities and shipments regulated by the New York State Department of Environmental Conservation's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law. ASTM required.* Fannie Mae required.**

Source: New York State Department of Environmental Conservation.²

New facilities updated through: 9/28/2000. New facilities obtained by Toxics Targeting: 10/5/2000.

Manifest transactions data updated to: 9/28/2000. Manifest transactions data obtained by Toxics Targeting: 10/5/2000.

(b) RCRA Notifier Information: U. S. Environmental Protection Agency database of hazardous waste facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

Source: U. S. Environmental Protection Agency¹

New facilities updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

Data attributes updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

SYL00109347

(c) **RCRA Violations Information:** U. S. Environmental Protection Agency database of violations data reported for facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

Source: U. S. Environmental Protection Agency¹

New facilities updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

Data attributes updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

(d) **RCRIS Corrective Action Activity (CORRACTS) Information:** U. S. Environmental Protection Agency (EPA) database of hazardous waste facilities with corrective action activity. This data is part of the RCRIS National Oversight database.

Source: U. S. Environmental Protection Agency¹

Data updated through: 3/11/2002.

Data obtained by Toxics Targeting: 3/29/2002.

11) **Chemical Bulk Storage Facilities:** New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size. Data withheld by NYSDEC as of 4/1/2002. ASTM required.* Fannie Mae required.**

Source: New York State Department of Environmental Conservation.²

Data updated through: 1/1/2002.

Data obtained by Toxics Targeting: 1/11/2002.

12) **Toxic Release Inventory:** New York State and Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement** below.

Source: NYS Department of Environmental Conservation²/U. S. Environmental Protection Agency.¹

Data update schedule: rolling basis, with annual information summary for previous year's activities available from NYSDEC each July 1, with corrections and additional information available approximately mid-August.

Data updated through: 5/9/1996.

Data obtained by Toxics Targeting: 5/14/1996

13) **Air Discharge Facilities:** EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.

See Fannie Mae requirement** below.

Source: U. S. Environmental Protection Agency¹

Data updated through: 11/24/1999.

Data obtained by Toxics Targeting: 1/06/2000

14) **Toxic Wastewater Discharges (Permit Compliance System):** Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement** below.

Source: U. S. Environmental Protection Agency.¹

Data updated through: 9/23/1996.

Data obtained by Toxics Targeting: 9/30/1996

15) **U. S. Environmental Protection Agency Civil Enforcement Docket:** This database is the U. S. EPA's system for tracking civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.**

Source: U. S. Environmental Protection Agency.¹

Data update schedule: quarterly. Date updated: 4/1996.

Date information obtained by Toxics Targeting: 8/1996

16) **Emergency Response Notification System (ERNS):** Federal database of spills compiled by the Emergency Response Notification System. On-site searches only. ASTM required.* See Fannie Mae requirement** below.

Source: U. S. Environmental Protection Agency.¹

Data updated through: 1/31/2000.

Data obtained by Toxics Targeting: 2/15/2000

*American Society of Testing Materials Standards on Environmental Site Assessments for Commercial Real Estate (E 1527-93, E 1528-93).

** Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc)." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

¹U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

²NYS Department of Environmental Conservation, 50 Wolf Road, Albany, NY 12233.

³Nassau County Department of Health, Bureau of Land Resources Management, 240 Old Country Road, Mineola, NY 11501.

⁴Nassau County Fire Commission, Office of the Fire Marshall, 899 Jerusalem Avenue, P. O. Box 128, Uniondale, NY 11553.

⁵Rockland County Department of Health, The Dr. Robert Yeager Health Center, Building D, Sanitorium Road, Pomona, NY 10970.

⁶Suffolk County Department of Health, Hazardous Materials Management, 15 Horseblock Place, Farmingville, NY 11738-1220.

Toxics Targeting Computerized Environmental Report

**Reported Solvent Releases
1/2-1 Mile SW
Hicksville, NY 11801**

April 07, 2003

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PLEASE REFER TO PAGES ONE AND FOUR FOR A DESCRIPTION OF SOME OF THE LIMITATIONS OF THIS COMPUTERIZED ENVIRONMENTAL REPORT.

SYL00109416

Toxic Site Databases Analyzed In Your Report

Search Radius

Up to 2-miles



1) *New York Inactive Hazardous Waste Disposal Site Registry*: a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

Up to 2-miles



2) *CERCLIS* (Comprehensive Environmental Response, Compensation and Liability Information System): a federal listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

Up to 2-miles



3) *National Priority List for Federal Superfund Cleanup*: a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

Up to 2-miles



4) *New York Hazardous Substance Disposal Site Draft Study*: a state listing of sites contaminated with toxic substances that can pose environmental or public health hazards. These sites are not eligible for state clean up funding programs.

Up to 2-miles



5a) *Toxic Spills: active* stationary source spills reported to state environmental authorities, including unremediated leaking underground storage tanks.

Up to 2-miles



5b) *Toxic Spills: closed* stationary and non-stationary source spills reported to state environmental authorities, including remediated leaking underground storage tanks.

Up to 2-miles



6) *New York Toxic Release Inventory Facilities*: discharges of selected toxic chemicals to air, land, water or treatment facilities.

Up to 2-miles



7) *Air Discharges*: Air pollution point sources monitored by U.S. EPA and/or state and local air regulatory agencies.

Up to 2-miles



8) *Federal Civil Enforcement Docket*: civil judiciary cases filed on behalf of the U. S. Environmental Protection Agency by the Department of Justice.

Limitations Of The Information In Your Report

The information presented in your *Computerized Environmental Report* has been obtained from various local, state and federal government agencies. Please be aware that: 1) additional information on individual sites may be available, 2) newly discovered sites are continually reported and 3) all map locations are approximate. As a result, this report is intended to be the FIRST STEP in the process of identifying and evaluating possible environmental threats to specific properties and can only serve as a guide for conducting on-site visits or additional, more detailed toxic hazard research.

Toxics Targeting tries to ensure that the information in your report is presented accurately and with minimal alteration. The only systematic changes that are made correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Please be aware of some other limitations of the information in your report:

- The computerized map used by *Toxics Targeting* is the same one used by the U. S. Census. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated on the Census map. FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;
- UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 8 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;
- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in zip code areas within one mile of the target address as well as toxic sites without zip codes reported in the same county. IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT TOXICS TARGETING AND REFER TO THE SITE ID NUMBER.
- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere. YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;
- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.
- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.

Section One:

Report Summary

- *Table One: Number of Identified Toxic Sites By Distance Interval*
- *Table Two: Identified Toxic Sites Ranked By Proximity*
- *Table Three: Identified Toxic Sites By Category*
- *Map One: Project Overview Map*
- *Map Two: Site Map*

NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

Database Searched	0 - 100 ft	100 ft - 1/8 mi	1/8 mi - 1/4 mi	1/4 mi - 1/2 mi	1/2 mi - 1 mi	Site(s) Category Totals
NYS Inactive Hazardous Waste Disposal Sites	Not searched	Not searched	Not searched	Not searched	12	12
CERCLIS Sites	Not searched	Not searched	Not searched	Not searched	1	1
National Priority List Sites	Not searched	Not searched	Not searched	Not searched	0	0
Hazardous Substance Waste Disposal Sites	Not searched	Not searched	Not searched	Not searched	0	0
NYS Toxic Spills (incl. Leaking Undrgrnd Storage Tanks)	Not searched	Not searched	Not searched	Not searched	0	0
Toxic Release Inventory Sites (TRI)	Not searched	Not searched	Not searched	Not searched	2	2
NYS Air Discharges	Not searched	Not searched	Not searched	Not searched	3	3
Civil Enforcement Docket Facilities	Not searched	Not searched	Not searched	Not searched	0	0
Distance Interval Totals	Not searched	Not searched	Not searched	Not searched	18	18

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Identified Toxic Sites by Proximity

Reported Solvents - 1/2-1 Mile SW, Hicksville, NY 11801

* Compass directions can vary substantially for sites located very close to the subject property address.

Map Id#	Site Name	Site Street	Approximate Distance From Property	Toxic Site Category
1	FORMER AUTOLINE AUTOMOTIVE CORP. ✓	101 FROST STREET	2907 feet to the SSW	NYSDEC Inactive Haz Waste Site
2	89 FROST STREET SITE ✓	89 FROST STREET	2973 feet to the SSW	NYSDEC Inactive Haz Waste Site
3	EZ-EM, INC.	750 SUMMA AVENUE	3472 feet to the SSW	NYSDEC Inactive Haz Waste Site
13	TISHCON CORP.(STATE ST.FAC.) ✓	125 STATE ST.	3812 feet to the SW	Toxic Release Inventory Site
4	TISHCON CORP. AT 125 STATE STREET ✓	125 STATE STREET	3843 feet to the SW	NYSDEC Inactive Haz Waste Site
16	KLEARTONE TRANSPARENT PROD_CO INC	695 SUMMA AVENUE	3866 feet to the SSW	Air Discharge Site
14	TISHCON CORP.(STATE ST.FAC.) ✓	125 STATE ST.	3912 feet to the SW	Toxic Release Inventory Site
5	FORMER APPLIED FLUIDICS ✓	770 MAIN STREET	4056 feet to the SSW	NYSDEC Inactive Haz Waste Site
6	METPAR STEEL	95, 97 AND 99 STATE STREET	4141 feet to the SSW	NYSDEC Inactive Haz Waste Site
17	METPAR STEEL PROD	95 STATE STREET	4173 feet to the SSW	Air Discharge Site
7	UTILITY MANUFACTURING/WONDER KING	700-712 MAIN STREET	4410 feet to the SSW	NYSDEC Inactive Haz Waste Site
15	ARKWIN INDUSTRIES	686 MAIN ST.	4463 feet to the SSW	Toxic Release Inventory Site
8	ARKWIN INDUSTRIES	648-656, 662-670 MAIN STREET, 66 BROOKLYN AVENUE	4627 feet to the SSW	NYSDEC Inactive Haz Waste Site
9	NEW CASSEL INDUSTRIAL AREA ✓	NO. OF OLD COUNTRY RD., SO. OF RAILROAD TRACKS	4823 feet to the SSW	CERCLIS/NYSDEC Inactive Haz Waste Site
18	ADCHEM CORP ✓	625 MAIN STREET	4964 feet to the SW	Air Discharge Site
10	TISHCON CORPORATION	31-33 BROOKLYN AVENUE & 30-36 NEW YORK AVENUE	5083 feet to the SSW	NYSDEC Inactive Haz Waste Site
11	FORMER TISHCON CORPORATION	68 KINKEL STREET	5146 feet to the SW	NYSDEC Inactive Haz Waste Site
12	FORMER LAKA INDUSTRIES, INC.	62 KINKEL STREET	5211 feet to the SW	NYSDEC Inactive Haz Waste Site

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Identified Toxic Sites by Category

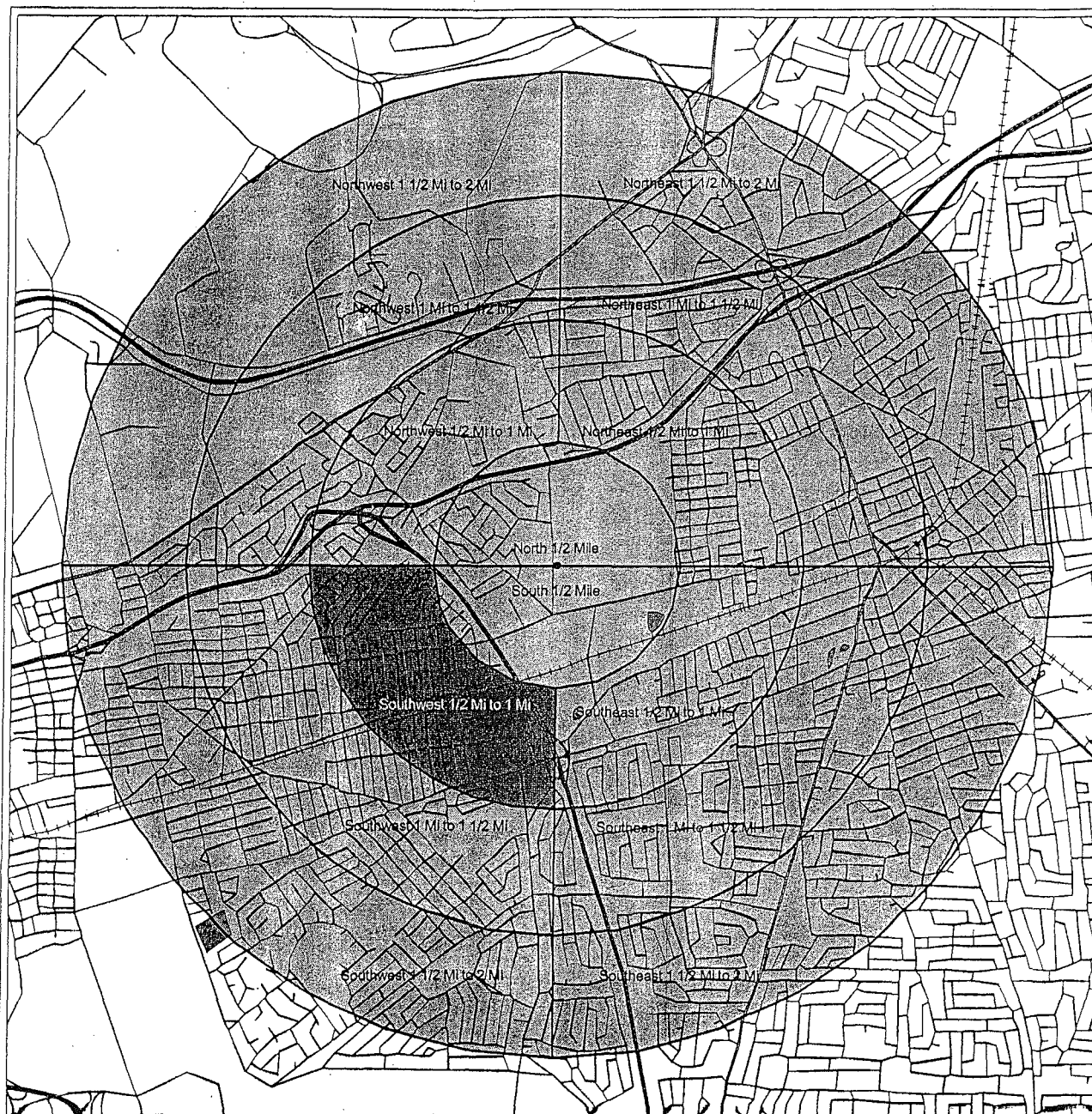
Reported Solvents - 1/2-1 Mile SW
Hicksville, NY 11801

* Compass directions can vary substantially for sites located very close to the subject property address.

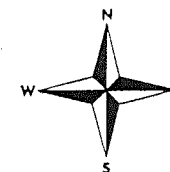
CERCLIS/NYSDEC Inactive Hazardous Waste Sites				
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
9	130043	NEW CASSEL INDUSTRIAL AREA	NO. OF OLD COUNTRY RD., SO. OF RAILROAD TRACKS	4823 feet to the SSW
NYSDEC Inactive Hazardous Waste Sites				
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
1	130043I	FORMER AUTOLINE AUTOMOTIVE CORP.	101 FROST STREET	2907 feet to the SSW
2	130043L	89 FROST STREET SITE	89 FROST STREET	2973 feet to the SSW
3	130043N	EZ-EM, INC.	750 SUMMA AVENUE	3472 feet to the SSW
4	130043C	TISHCON CORP. AT 125 STATE STREET	125 STATE STREET	3843 feet to the SW
5	130043M	FORMER APPLIED FLUIDICS	770 MAIN STREET	4056 feet to the SSW
6	130043G	METPAR STEEL	95, 97 AND 99 STATE STREET	4141 feet to the SSW
7	130043H	UTILITY MANUFACTURING/WONDER KING	700-712 MAIN STREET	4410 feet to the SSW
8	130043D	ARKWIN INDUSTRIES	648-656, 662-670 MAIN STREET, 66 BROOKLYN AVENUE	4627 feet to the SSW
10	130043E	TISHCON CORPORATION	31-33 BROOKLYN AVENUE & 30-36 NEW YORK AVENUE	5083 feet to the SSW
11	130043F	FORMER TISHCON CORPORATION	68 KINKEL STREET	5146 feet to the SW
12	130043K	FORMER LAKA INDUSTRIES, INC.	62 KINKEL STREET	5211 feet to the SW
Toxic Release Inventory Sites				
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
13	281640	TISHCON CORP.(STATE ST.FAC.)	125 STATE ST.	3812 feet to the SW
14	281640	TISHCON CORP.(STATE ST.FAC.)	125 STATE ST.	3912 feet to the SW
15	280090	ARKWIN INDUSTRIES	686 MAIN ST.	4463 feet to the SSW
Air Discharge Sites				
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
16	3605900171	KLEARTONE TRANSPARENT PROD_CO INC	695 SUMMA AVENUE	3866 feet to the SSW
17	3605900064	METPAR STEEL PROD	95 STATE STREET	4173 feet to the SSW
18	3605900122	ADCHEM CORP	625 MAIN STREET	4964 feet to the SW

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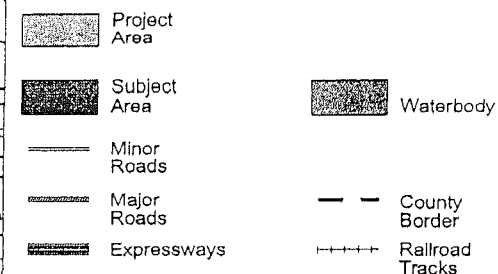
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Toxics Targeting
Project Area Overview Map
with highlighted section for this report
Reported Solvents - 1/2-1 Mile SW
Hicksville, NY 11801

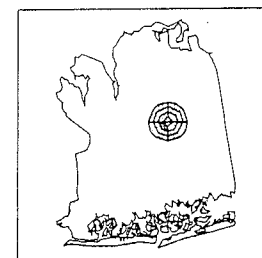
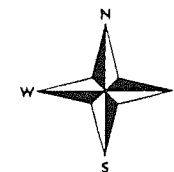


Nassau County



Toxics Targeting Site Map

Reported Solvents - 1/2-1 Mile SW
Hicksville, NY 11801



Nassau County

- ⊕ NPL, CERCLIS, NYSDEC Inactive Hazardous Waste Disposal Registry or Registry Qualifying Site
- ⊕ Hazardous Substance Waste Disposal Site
- ✕ Toxic Release
- ⊞ Civil Enforcement Docket Facility
- ⊕ MTBE Gasoline Additive Spill
- ★ Hazardous Material Spill
- △ Air Release

- ▨ Subject Area
- Minor Roads
- == Major Roads
- == Expressways
- ▨ Waterbody
- - - County Border
- ++++ Railroad Tracks



Scale: 1 inch = 788 feet

SYL00109424

Section Two: Toxic Site Profiles

The heading of each *Toxic Site Profile* refers to the site's map location and details:

- The facility name, address, city, state, and zip code (This information does not appear in the headings for Inactive Hazardous Waste Disposal Sites).
- Any changes that were made to a site's address in order to map its location.
- The site mapping method that was used (see *How Sites are Located*, at the end of this section for more information).

Toxic Site Profiles summarize information provided by site owners or operators and government agencies regarding various toxic chemical activities reported at each site, such as:

- Whether chemicals were stored, produced, transported, discharged or disposed of.
- The name of chemicals and their Chemical Abstract Series (CAS) numbers;
- The amount of chemicals and the units (gallons/pounds) the chemical was measured in.
- Whether the site or storage tanks at the site are currently active or inactive.
- Special codes used by government agencies to regulate hazardous waste activities at some sites
(A complete description of the codes follows the profiles section).

For selected individual chemicals reported at various toxic sites, some potential health effect summary information appears below the site profile. Each potential health effect summary identifies chemicals by name and by Chemical Abstract Series (CAS) Number. An "x" under each potential health effect heading indicates positive toxicity testing results reported by the National Institute of Occupational Safety and Health's Registry of Toxic Effects of Chemical Substances (RTECS). Some chemicals (mostly appearing in profiles of Hazardous Waste facilities), are reported as mixtures, and RTECS health effect information is only available for individual chemicals. In addition, RTECS only provides information on approximately 100,000 common chemicals. Consequently, the absence of potential health effect summary information for a particular chemical identified in a Toxic Site Profile does not necessarily mean that the chemical does not pose potential health effects.

The Maximum Contaminant Level (MCL) in drinking water allowed for selected chemicals is also noted. In most cases, the only applicable MCL has been set by the New York State Department of Health (NYSDOH). Where NYSDOH has not set an MCL, the federal standard, if one exists, is listed and is marked by an asterisk.

Presented below are column headings that describe the health effect definitions used in RTECS and applicable New York State and federal drinking water standards. Reference sources for information presented in this section are also provided.

ACUTE TOX: **Acute Toxicity:** Short-term exposure to this chemical can cause lethal and non-lethal toxicity effects not included in the following four categories.

TUMOR TOX: **Tumorigenic Toxicity:** The chemical can cause an increase in the incidence of tumors.

MUTAG TOX: **Mutagenic Toxicity:** The chemical can cause genetic alterations that are passed from one generation to the next.

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REPRO TOX: **Reproductive toxicity:** May signify one of the following effects: maternal effects, paternal effects, effects on fertility, effects on the embryo or fetus; specific developmental abnormalities, tumorigenic effects, or effects on the newborn (only positive reproductive effects data for mammalian species are referenced)

IRRIT TOX: **Primary Irritant:** The chemical can cause eye or skin irritation

MCL: **Drinking Water Standard - Maximum Contaminant Level (MCL)** listed under Drinking Water Supplies, 10 NYCRR Part 5, Subparts 1.51(f),(g), and (h) for NYDOH MCL's and under the Safe Drinking Water Act, 40 CFR 141, Subparts B and G, (* indicates value for total trihalomethanes) for federal MCL's.

Reference Source for Toxicity Information: Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH (on-line database); For further information, contact: NIOSH, 4676 Columbia Parkway, Cincinnati, OH, 45226, 800/35-NIOSH.

Reference Source for Drinking Water Standards: New York State Department of Health, Bureau of Toxic Substances Assessment, 2 University Place, Room 240, Albany, NY 12203, 518/458-6373.

U.S. Environmental Protection Agency, Office of Drinking Water, 401 M St SW, Mailstop WH-556, Washington, DC, 20460, 202/260-5700.

Inactive Hazardous Waste Disposal Site Classifications: 1 -- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or the environment -- immediate action required;

2 -- Significant threat to the public health or environment -- action required;

3 -- Does not Present a significant threat to the environment or public health -- action may be deferred;

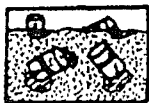
4 -- Site properly closed --requires continued management;

5 -- Site properly closed, no evidence of present or potential adverse impact -- no further action required;

2a -- This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law.

D1, 2, 3 -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed)

SYL00109426



*** NPL/CERCLIS/INACTIVE HAZARDOUS WASTE DISPOSAL SITES IDENTIFIED WITHIN THE SEARCH AREA ***

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 1

FORMER AUTOLINE AUTOMOTIVE CORP.
101 FROST STREET

NORTH HEMPSTEAD (T), NY 11590

Facility Id: 1300431

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2907 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

SITE DESIGNATION:

NPL -

CERCLIS -

NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 2

REGION: 1

SITE CODE: 1300431

EPA ID: NYD001095363

CLASSIFICATION CODE DESCRIPTION:

Significant threat to the public health or environment - action required.

NAME OF SITE: Former Autoline Automotive Corp.

STREET ADDRESS: 101 Frost Street

TOWN/CITY: North Hempstead (T)

ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 1.7 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: K.B. Company

ADDRESS...: 270 Broadway, Hicksville, NY 11801

OWNER DURING DISPOSAL:

NAME.....:

OPERATOR(S) DURING DISPOSAL:

NAME.....: Autoline Automotive Corp.

ADDRESS...: 101 Frost Street, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from 1984 to 1992

SITE DESCRIPTION:

This site is located near the end of Frost Street at the eastern end of the New Cassel Industrial Area. Distribution Systems of America, Inc. has no documented use of any chemical compounds. Former tenants, Autoline Automotive Corporation and National Bassen Textiles had documented use of degreasers and unknown chemicals, respectively. Two dry wells/cesspools are believed to have existed in the western portion of the site; Tetrachloroethylene (PCE) and 1,1,1-trichloroethane (TCA) related compounds were found in very high concentrations in

SYL00109427

the groundwater in this area of the site. Based upon the high downgradient versus upgradient groundwater levels of 1,1,1-trichloroethane and tetrachloroethylene and the high levels of both compounds found in the groundwater under the site, past disposal of hazardous waste is confirmed. The contaminated groundwater is located within an EPA designated sole-source aquifer. The contaminated plume that is emanating from this site has migrated approximately 1,000 feet downgradient. Two public water supply wells are located approximately 2,800 feet downgradient of the site. The site has received a State Superfund referral. The field work for an RI/FS was completed in October 1998 and the report was dated August 1999. A PRAP for Operable Unit 01-Soil was presented at a public meeting on February 3, 2000. Soil Vapor Extraction for the Deep Soil; Excavation and Off-site Disposal of Surface Soil; Removal of Dry Well Sediments by Vacuum Truck for on-site soil were the preferred remedies. The contaminated groundwater at the three Frost Street sites (Former Autoline Automotive, 89 Frost Street and Former Applied Fluidics) was the subject of a combined groundwater Proposed Remedial Action Plan for Operable Unit 02 presented at a public meeting February 3, 2000. The preferred remedy was Air Sparging/Soil Vapor Extraction Near Sources and In-well Air Stripping for Deep Groundwater contamination off site.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
Tetrachloroethylene	unknown
1,1,1-Trichloroethane	unknown

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-X	Soil-X	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Fine to medium grained sand and gravel.
 GROUNDWATER DEPTH: Range: 55 to 60 feet.

LEGAL ACTION:

STATUS:	Type:	State-	Federal-
REMEDIAL ACTION:	Negotiation in Progress-	Order Signed-	
NATURE OF ACTION:	Proposed-X Under Design-	In Progress-	Completed-
	Source removal, SVE & AS/AVE		

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Tetrachloroethylene and 1,1,1-trichloroethane compounds attributable to the various activities at this site have contaminated the groundwater within a sole-source aquifer at and downgradient of the site. Contamination has migrated approximately 1,000 feet downgradient. There are two public water supply wells located about 2,800 feet away from the site in the downgradient direction.

ASSESSMENT OF HEALTH PROBLEMS:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers.

SYL00109428

Map Identification Number 2 89 FROST STREET SITE
89 FROST STREET

NORTH HEMPSTEAD (T), NY 11590

Facility Id: 130043L

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 2973 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

SITE DESIGNATION: NPL -

CERCLIS -

NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 2

REGION: 1

SITE CODE: 130043L

EPA ID: NYD001095363

CLASSIFICATION CODE DESCRIPTION:

Significant threat to the public health or environment - action required.

NAME OF SITE: 89 Frost Street Site

STREET ADDRESS: 89 Frost Street

TOWN/CITY: North Hempstead (T)

ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 0.85 Acre

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: Jerry Spiegel

ADDRESS...: 270 North Broadway, Hicksville, NY 11801

OWNER DURING DISPOSAL:

NAME.....:

OPERATOR(S) DURING DISPOSAL:

NAME.....: ADCHEM Corporation

ADDRESS...: 625 Main Street, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from 1971 to 1973

SITE DESCRIPTION:

This site is located near the end of Frost Street at the eastern end of the New Cassel Industrial Area. The current occupant, KORG, has no documented use of any chemical compounds related to the contamination in the groundwater. Maven, Unicord, and Adchem have all occupied the site at different times in the past. Although there is no documentation that these occupants used volatile organic compound (VOC) related chemicals at this facility, at least one, Adchem, does have a history of VOC usage at other facilities in the New Cassel Industrial Area. Two dry wells/cesspools were documented to have existed in the western portion of this site and one in the eastern portion. High concentrations of tetrachloroethylene and related compounds were found in the groundwater at this site. Based upon the high downgradient versus upgradient groundwater levels of tetrachloroethylene and the high levels of tetrachloroethylene found in the groundwater under the site, past disposal of hazardous waste is

SYL00109429

confirmed. The contaminant plume that is emanating from this site has migrated approximately 1,000 feet downgradient. Two public water supply wells are located approximately 2,800 feet downgradient of the site. A standby consultant was authorized to implement a RI/FS. The field work was completed in September 1998 and a final report was dated August 1999. A Proposed Remedial Action Plan for Operable Unit 01- Soil was presented at a public meeting February 3, 2000 and Soil Vapor Extraction for the Deep Soil was the preferred remedy for on-site soil. The contaminated groundwater at the three Frost Street sites (Former Autoline Automotive, 89 Frost Street and Former Applied Fluidics) was the subject of a combined groundwater Proposed Remedial Action Plan for Operable Unit 02 which was presented at a public meeting February 3, 2000. The preferred remedy was Air Sparging/Soil Vapor Extraction for Near Sources and In-well Air Stripping for Deep Groundwater contamination off site.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
Tetrachloroethylene	unknown

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-X	Soil-X	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Fine to medium grained sand and gravel.
 GROUNDWATER DEPTH: Range: 55 to 60 feet.

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed-X Under Design-	In Progress-	Completed-
NATURE OF ACTION:	SVE - deep soil & AS/SVE & air stripping - gw		

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Tetrachloroethylene compounds attributable to the various activities at this site have contaminated the groundwater within a sole-source aquifer at and downgradient of the site. Contamination has migrated approximately 1,000 feet downgradient. There are two public water supply wells located about 2,800 feet away from the site in the downgradient direction.

ASSESSMENT OF HEALTH PROBLEMS:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers.

SYL00109430

Map Identification Number 3

EZ-EM, INC.
750 SUMMA AVENUE

NORTH HEMPSTEAD (T), NY 11590

Facility Id: 130043N

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 3472 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 750 SUMMA AVE

Revised zip code: NO CHANGE

SITE DESIGNATION: NPL -

CERCLIS -

NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 4

REGION: 1

SITE CODE: 130043N

EPA ID: NYD001095363

CLASSIFICATION CODE DESCRIPTION:

Site is properly closed - requires continued management.

NAME OF SITE: EZ-EM, Inc.

STREET ADDRESS: 750 Summa Avenue

TOWN/CITY: North Hempstead (T)

ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 2.3 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: EZ-EM, Inc.

ADDRESS...: 750 Summa Avenue, Westbury, NY 11590

OWNER DURING DISPOSAL:

NAME.....: ** Multi - Site Operators **

OPERATOR(S) DURING DISPOSAL:

NAME.....:

ADDRESS...:

NAME.....:

ADDRESS...:

HAZARDOUS WASTE DISPOSAL PERIOD: from 1968 to 1985

SITE DESCRIPTION:

This site consists of buildings, roadways and parking lots. The building is a two story office/warehouse with a 70,000 sq. ft. footprint. The site was occupied by Advance Food Service Equipment Manufacturing, a stainless steel kitchen equipment supplier, from 1968 to 1991. Micro Industries, a machine shop, occupied the site from 1971 to 1982. Since 1982, EZ-EM has been at the site. Records indicate that Advance Food Service stored or used 111-TCA and solvents at the site. A degreaser vat was located in the southwest corner of the building. The Nassau County Department of Health (NCDOH) had the floor drain sealed in 1978. 480 ppb of 111-TCA was detected in dry well samples and in 1985 the degreaser was removed. In 1978, records show that the degreaser sludge (111-TCA & waste oil) was stored in drums

SYL00109431

in the rear of the facility. Higher levels of contamination are found in the groundwater at the area of the building where former disposal had taken place, relative to low upgradient concentrations. However, the extent and level of contamination appears to be localized and of minor consequence when considered in light of the nearby areas of contamination. The contaminated groundwater is located within an EPA designated sole-source aquifer. Two public water supply wells are located approximately 2,800 feet downgradient of the site.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
111 - TCA (F001 Waste)	unknown

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-X	Soil-X	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Fine to medium grained sand and gravel.
GROUNDWATER DEPTH: Range: 50 to 55 feet.

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-X
NATURE OF ACTION:	Degreaser sludge removal		

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Environmental sampling has confirmed groundwater contamination in the former disposal area at this site. The contamination is localized. The site is located within an EPA designated sole source aquifer and is approximately 2,800 feet upgradient of a public water supply system.

ASSESSMENT OF HEALTH PROBLEMS:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers.

Map Identification Number 4

TISHCON CORP. AT 125 STATE STREET
125 STATE STREET

NORTH HEMPSTEAD (T), NY 11590

Facility Id: 130043C

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 3843 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: 125 STATE ST
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - NYSDEC REGISTRY - X

SYL00109432

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 4

REGION: 1

SITE CODE: 130043C

CLASSIFICATION CODE DESCRIPTION:

EPA ID: NYD001095363

Site is properly closed - requires continued management.

NAME OF SITE: Tishcon Corp. at 125 State Street

STREET ADDRESS: 125 State Street

TOWN/CITY: North Hempstead (T) ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 1 Acre

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: C & O Realty

ADDRESS...: 50 Urban Area, Westbury, NY 11590

OWNER DURING DISPOSAL:

NAME.....: Mr. William Gross

OPERATOR(S) DURING DISPOSAL:

NAME.....: Tishcon Corporation

ADDRESS...: 125 State Street, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from unknown to present

SITE DESCRIPTION:

The site is located at the end of State Street bordering the Long Island Railroad tracks in the New Cassel Industrial Area. The nearest water body is Hempstead Bay, approximately 6 miles southwest of the site, and nearest water supply well is approximately 2,700 feet south. The prior occupant was in the business of manufacturing diet pills, with tablet-coating and warehousing operations being conducted on site. 1,1,1-trichloroethane (TCA) was used during these operations. Nassau County Department of Health records indicate the removal of 550 gallons of 1,1,1-trichloroethane waste sludge from the site in 1992, along with other instances of sludge removals with no volumes noted. A NYSDEC site inspection conducted in 1994 revealed three leachpools along the southern boundary of the site. According to on-site personnel, process waters were discharged to the pools, with staining noted in and around the pools. Subsequent groundwater samples were collected downgradient of the property, and were found to contain high levels of 1,1,1-trichloroethane and 1,1-dichloroethane. The Focused Remedial Investigation (FRI) was implemented in August 1996. The results of the RI indicated that the storm drains 1,2,4 and distribution box 5 should be cleaned out. The Potentially Responsible Party (PRP) performed the remediation of the storm drains 2,4 and 5 in October 1997 as an Interim Remedial Measure (IRM). The remaining storm drain 1 was completed in May 1998 as a Remedial Action (RA) in conformance with the Record of Decision. The significant threat from contaminants at the site has been mitigated by the removal of the storm drain source areas and the subsequent reduction in groundwater contaminant levels. Long term monitoring of the groundwater commenced in June 1998.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE

QUANTITY

SYL00109433

1,1,1-Trichloroethane {(TCA) (F002 Waste)}-----
unknown

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-X	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Fine to medium grained sand and gravel.
GROUNDWATER DEPTH: Range: 50 to 55 feet.

LEGAL ACTION:	Type: Consent Order -RI/FS	State-X	Federal-
STATUS:	Negotiation in Progress-	Order Signed-X	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-X
NATURE OF ACTION:	Soil removal, storm drains cleaned.		

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

The significant threat from contaminants at the site has been mitigated by the removal of the storm drain source areas and the subsequent reduction in groundwater contaminant levels. Long term monitoring of the groundwater commenced in June 1998.

ASSESSMENT OF HEALTH PROBLEMS:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers.

Map Identification Number 5

FORMER APPLIED FLUIDICS
770 MAIN STREET

NORTH HEMPSTEAD (T), NY 11590

Facility Id: 130043M

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4056 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 2

REGION: 1

SITE CODE: 130043M

CLASSIFICATION CODE DESCRIPTION:

EPA ID: NYD001095363

Significant threat to the public health or environment - action required.

SYL00109434

NAME OF SITE: Former Applied Fluidics
 STREET ADDRESS: 770 Main Street
 TOWN/CITY: North Hempstead (T) ZIP: 11590 COUNTY: Nassau
 SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond- ESTIMATED SIZE: 0.63 Acre

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME..... Emily Spiegel Trust et. al.
 ADDRESS... 270 North Broadway, Hicksville, NY 11801

OWNER DURING DISPOSAL:

NAME..... Applied Fluidics
 OPERATOR(S) DURING DISPOSAL:
 NAME..... Applied Fluidics Div. - Allard Instr
 ADDRESS... 770 Main Street, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from 1975 to 1988

SITE DESCRIPTION:

This site is located at the east end of Main Street in the eastern end of the New Cassel Industrial Area. The current occupant, Coronet Juvenile Furniture, has no documented usage of the chemicals related to the groundwater contamination. The prior occupant, Applied Fluidics, had documented usage of trichloroethylene (TCE), as well as other compounds containing tetrachloroethylene (PCE) related contaminants. Soil samples collected in close proximity to a drywell/cesspool at depths of 15 to 17 feet and 17 to 19 feet contained PCE at concentrations of 70 to 390 ppb, respectively. High concentrations of PCE have been detected in the groundwater under this site. Site operations have contaminated groundwater beneath and downgradient of the site with high levels of PCE. The contaminated groundwater is located within an EPA designated sole-source aquifer. The contaminant plume that is emanating from the site has migrated approximately 400 feet downgradient of the site. Two public water supply wells are located approximately 2,100 feet downgradient of the site. Thus this site poses a significant threat to the public health and the environment. This site has received a State Superfund referral. A standby consultant was authorized to implement a RI/FS. The field work was completed in September 1998. The site owner has built a new store on this property. The RI/FS was completed and the report was dated August 1999. A Proposed Remedial Action Plan for Operable Unit 01- Soil was presented at a public meeting September 30, 1999. The preferred remedy was No Action for on-site soil. The contaminated groundwater at the three Frost Street Sites (Former Autoline Automotive, 89 Frost Street and Former Applied Fluidics) was the subject of a combined groundwater Proposed Remedial Action Plan for Operable Unit 02 presented at a public meeting February 3, 2000. The preferred remedy was Air Sparging/Soil Vapor Extraction Near Sources and In-well Air Stripping for Deep Groundwater contamination off site.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
Tetrachloroethylene	unknown
Trichloroethylene	unknown

ANALYTICAL DATA AVAILABLE FOR: Air- Surface Water- Groundwater-X Soil-X Sediment-

SYL00109435

APPLICABLE STANDARDS EXCEEDED IN: Groundwater-X Drinking Water- Surface Water- Air-

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Fine to medium grained sand and gravel.
GROUNDWATER DEPTH: Range: 55 to 60 feet.LEGAL ACTION: Type: State- Federal-
STATUS: Negotiation in Progress- Order Signed-
REMEDIAL ACTION: Proposed-X Under Design- In Progress- Completed-
NATURE OF ACTION: AS/SVE gw & In-well air stripping - deep gw

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Past site operations have contaminated the groundwater within a sole-source aquifer at and downgradient of the site with high levels of tetrachloroethylene.

ASSESSMENT OF HEALTH PROBLEMS:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers.

Map Identification Number 6

METPAR STEEL
95, 97 AND 99 STATE STREET

WESTBURY, NY 11590

Facility Id: 130043G

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4141 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 97 STATE ST
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATIONCLASSIFICATION CODE: D1
CLASSIFICATION CODE DESCRIPTION:
Delisted site - hazardous waste not found

REGION: 1

SITE CODE: 130043G
EPA ID: NYD001095363NAME OF SITE: Metpar Steel
STREET ADDRESS: 95, 97 and 99 State Street
TOWN/CITY: Westbury

ZIP: 11590

COUNTY: Nassau

SYL00109436

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 1.75 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: Raylene Holding Corporation

ADDRESS...: 95 State Street, Westbury, NY 11590

OWNER DURING DISPOSAL:

NAME.....: Raylene Holding Corporation

OPERATOR(S) DURING DISPOSAL:

NAME.....: Metpar Steel

ADDRESS...: 95 State Street, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from 1971 to 1993

SITE DESCRIPTION:

Flat topography: Industrial area Nearest Surface Water Body: Hempstead Bay, approximately 6 miles southwest Nearest Water Supply Well: Approximately 1,300 feet north This site is located on State Street just below Summa Avenue in the New Cassel Industrial Area. The current occupant manufactures steel and formica partitions and doors. Production activities include fabrication, wood working, assembly, finishing and shipping. Large volumes of adhesives, paints and paint solvents are used as part of the process. Nassau County Department of Health (NCDOH) records indicate that Metpar used up to 2,000 gallons per year of 1,1,1-trichloroethane (TCA) as a machine lubricant/cleaner. NCDOH site inspection also revealed TCA waste in an on-site cesspool. Downgradient groundwater sampling done by NYSDEC in 1994 showed elevated levels of TCA. A Focused Source Area Remedial Investigation workplan was approved in December 1995. Fieldwork began in February 1996 and was completed in April.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
1,1,1-Trichloroethane {(TCA) (F002 Waste)}	unknown

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-X	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Medium to fine grained sand and gravel
 GROUNDWATER DEPTH: Varies from 50-52 feet

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-X	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-
NATURE OF ACTION:			

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Past site operations have contaminated the groundwater beneath the site with TCA. The contaminated groundwater is located within an EPA-designated sole-source aquifer. Further sampling is required in order to fully delineate the extent of contamination.

SYL00109437

ASSESSMENT OF HEALTH PROBLEMS:

Groundwater is the primary source of drinking water in the area, and multiple groundwater contaminant plumes in the New Cassel Industrial Park have been identified. Monitoring wells located within the area contained several volatile organic compounds (VOCs) in excess of NYS drinking water standards. Public water supply wells are located 300 to 500 meters downgradient of the industrial area and are contaminated with low levels of VOCs that do exceed the drinking water standards. These wells are being treated with granular activated carbon filtration units to remove contaminants before water is distributed to customers.

Map Identification Number 7 UTILITY MANUFACTURING/WONDER KING
700-712 MAIN STREET

NORTH HEMPSTEAD (T), NY 11590 Facility Id: 130043H

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4410 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 706 MAIN ST
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 2

REGION: 1

SITE CODE: 130043H

EPA ID: NYD001095363

CLASSIFICATION CODE DESCRIPTION:

Significant threat to the public health or environment - action required.

NAME OF SITE: Utility Manufacturing/Wonder King
STREET ADDRESS: 700-712 Main Street
TOWN/CITY: North Hempstead (T) ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 0.85 Acre

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: Nest Equities, Inc.
ADDRESS...: 700 Main Street, Westbury, NY 11590

OWNER DURING DISPOSAL:

NAME.....: Nest Equities, Inc.

OPERATOR(S) DURING DISPOSAL:

NAME.....: Utility Manufacturing / Wonder King
ADDRESS...: 700-712 Main Street, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from 1977 to present

SYL00109438

SITE DESCRIPTION:

This site is located near the east end of Main Street at the eastern end of the New Cassel Industrial Area. The current occupant is in the business of blending and repackaging cleaning materials and plumbing and heating supplies. The bulk products are shipped in, blended and repackaged for individual resale. There is documented use of a number of hazardous compounds at this site, including tetrachloroethylene (PCE) and trichloroethylene (TCE), as well as a history of discharge to cesspools and dry wells at the site. Downgradient concentrations of PCE-related compounds were found to be significantly higher than those found upgradient of the site. Past (and present) site operations have contaminated groundwater beneath and downgradient of the site with high levels of PCE. The contaminated groundwater is located within an EPA designated sole-source aquifer. The contaminant plume emanating from the site has migrated approximately 200 feet downgradient. Two public supply wells are located approximately 2,100 feet downgradient of the site, consequently this site poses a significant threat to the public health and the environment. The records of the Nassau County Department of Health indicate that contaminated liquids and sediments were removed from two sanitary leach pools and six dry wells in November 1989. This contamination consisted of volatile organic compounds including PCE and TCE. A Consent Order was signed in December 1997 for a Focused Remedial Investigation and Feasibility Study. The field work was completed in July 1998.000

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY				
-----	-----				
Tetrachloroethylene	unknown				
Trichloroethylene	unknown				
ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-X	Soil-X	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Fine to medium grained sand and gravel.
 GROUNDWATER DEPTH: Range: 55 to 60 feet.

LEGAL ACTION:	Type: Consent Order	State-X	Federal-
STATUS:	Negotiation in Progress-	Order Signed-X	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-	Completed-
NATURE OF ACTION:			

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Past (and present) site operations have contaminated the groundwater within a sole-source aquifer at and downgradient of the site with high levels of tetrachloroethylene.

ASSESSMENT OF HEALTH PROBLEMS:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers.

SYL00109439

Map Identification Number 8

ARKWIN INDUSTRIES

Facility Id: 130043D

648-656, 662-670 MAIN STREET, 66 BROOKLYN AVENUE NORTH HEMPSTEAD (T), NY 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 4627 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: MAIN ST / BROOKLYN AVE

Revised zip code: NO CHANGE

SITE DESIGNATION:

NPL -

CERCLIS -

NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 2

REGION: 1

SITE CODE: 130043D

EPA ID: NYD001095363

CLASSIFICATION CODE DESCRIPTION:

Significant threat to the public health or environment - action required.

NAME OF SITE: Arkwin Industries

STREET ADDRESS: 648-656, 662-670 Main Street, 66 Brooklyn Avenue

TOWN/CITY: North Hempstead (T)

ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 1.5 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: Arkwin Industries

ADDRESS...: 686 Main Street, Westbury, NY 11590

OWNER DURING DISPOSAL:

NAME.....: Arkwin Industries

OPERATOR(S) DURING DISPOSAL:

NAME.....: Arkwin Industries

ADDRESS...: 686 Main Street, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from 1970s to unknown

SITE DESCRIPTION:

These properties are located on the south side of Main Street between New York Avenue and State Street in the New Cassel Industrial Area. The nearest water body is Hempstead Bay, approximately 6 miles southwest and the nearest water supply well is approximately 1,800 feet south of the site. The occupant of the various properties conducts machine shop operations, including honing and grinding, degreasing and non-destructive testing. Large amounts of petroleum based oils and lubricants, and 1,1,1-trichloroethane (TCA) are used and stored on site as part of daily site operations. According to the Nassau County Department of Health, Arkwin uses between 275-550 gallons of TCA per year. At least six abandoned leachpools were identified as part of a NYSDEC site inspection conducted in 1994, and were presumably used for the disposal of oils, lubricants, solvents and other waste materials. Subsequent downgradient groundwater sampling revealed high levels of TCA. The leachpools were sampled

SYL00109440

as part of a Focused Remedial Investigation (FRI) in August 1996. The only leachpool with soil contamination above standards is DWX8. Arkwin removed the contamination from DWX8 as an Interim Remedial Measure (IRM) in June 1997. The Soil Operable Unit 01 (OU1) is now complete and a Record of Decision (ROD) was issued in January 1998. Contaminated groundwater beneath the site was addressed during an RI for Operable Unit 02 (OU2) - Groundwater. Sampling for OU2 was completed in October 1998. A ROD was executed that requires an AS/SVE System to address the shallow on-site groundwater contamination.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
----- 1,1,1-Trichloroethane {(TCA) (F001 Waste)}	----- unknown

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-X	Soil-X	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Fine to medium grained sand and gravel.
GROUNDWATER DEPTH: Range: 50 to 55 feet.

LEGAL ACTION:	Type: Consent Order	State-X	Federal-
STATUS:	Negotiation in Progress-	Order Signed-X	
REMEDIAL ACTION:	Proposed-X Under Design-	In Progress-	Completed-
NATURE OF ACTION:	Groundwater remediation		

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Past site operations have contaminated groundwater beneath and downgradient of the site with TCA. The contaminated groundwater is located within an EPA designated sole-source aquifer. The contaminant plume that is partially emanating from this site has migrated approx. 1,300 ft. downgradient. Two public water supply wells are 1,800 ft. downgradient.

ASSESSMENT OF HEALTH PROBLEMS:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers.

Map Identification Number 9

NEW CASSEL INDUSTRIAL AREA

NO. OF OLD COUNTRY RD., SO. OF RAILROAD TRACKS

NEW CASSEL, NY 11590

Facility Id: 130043

EPA Facility Name:

NEW CASSEL INDUSTRIAL AREA
MAIN STREET

HEMPSTEAD, NY 11550

EPA Facility Id: NY0001095363

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE (1)

Approximate distance from property: 4823 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

SYL00109441

SITE DESIGNATION: NPL - CERCLIS - X NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: D3

REGION: 1

SITE CODE: 130043

CLASSIFICATION CODE DESCRIPTION:

EPA ID: NYD001095363

Delisted site - consolidated site or site incorrectly listed

NAME OF SITE: New Cassel Industrial Area

STREET ADDRESS: No. of Old Country Rd., So. of Railroad Tracks

TOWN/CITY: New Cassel ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 170 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: Estate of Bishop Andrei Kuschak
ADDRESS...: 90-10 180th Street, Jamaica, NY 11432
NAME.....: Supreme Edgelight
ADDRESS...: 5 Bond Street, Westbury, NY 11590
NAME.....: Korg USA, Inc.
ADDRESS...: 75 Frost Street, Westbury, NY 11590
NAME.....: Contemporary Packaging
ADDRESS...: 90 Hopper Street, Westbury, NY 11590
NAME.....: Praec Tool Company
ADDRESS...: 512 Main Street, Westbury, NY 11590
NAME.....: Freund Woodworking
ADDRESS...: 589 Main Street, Westbury, NY 11590
NAME.....: MTD Knits
ADDRESS...: 117 Urban Avenue, Westbury, NY 11590
NAME.....: Sew Simple
ADDRESS...: 115 Frost Street, Westbury, NY 11590
NAME.....: Permafuse Corporation
ADDRESS...: 675 Main Street, Westbury, NY 11590
NAME.....: Judith Lewis Printers
ADDRESS...: 40 Urban Avenue, Westbury, NY 11590
NAME.....: Uniflex
ADDRESS...: 474 Grand Blvd., Westbury, NY 11590
NAME.....: Joerger Enterprises
ADDRESS...: 32 New York Avenue, Westbury, NY 11590
NAME.....: Fine Art Autobody
ADDRESS...: 90 New York Avenue, Westbury, NY 11590
NAME.....: B&L Collision

SYL00109442

ADDRESS... 69 Kinkel Street, Westbury, NY 11590
NAME..... Royal Guard Fence
ADDRESS... 550 Main Street, Westbury, NY 11590
NAME..... Bogner Broadcast
ADDRESS... 401 Railroad Avenue, Westbury, NY 11590
NAME..... New York Testing
ADDRESS... 75 Urban Avenue, Westbury, NY 11590
NAME..... Jorway Corporation
ADDRESS... 27 Bond Street, Westbury, NY 11590
NAME..... Atlas Graphics Inc
ADDRESS... 567 Main Street, Westbury, NY 11590
NAME..... Autronic Plastics
ADDRESS... 18 Sylvester Street, Westbury, NY 11590
NAME..... DBA Long Island Spray & Finishing
ADDRESS... 121 Hopper Street, Westbury, NY 11590
NAME..... Bernite Products Inc
ADDRESS... 84 New York Avenue, Westbury, NY 11590
NAME..... Bilt-Rite Steel Buck Corp.
ADDRESS... 95 Hopper Street, Westbury, NY 11590
NAME..... Custom Coating Inc
ADDRESS... 36 New York Avenue, Westbury, NY 11590
NAME..... International Ribbon and Carbon
ADDRESS... 49 Sylvester Street, Westbury, NY 11590
NAME..... Nutra Tec Corporation
ADDRESS... 72 Sylvester Street, Westbury, NY 11590
NAME..... Efficiency Systems
ADDRESS... 45 Urban Avenue, Westbury, NY 11590
NAME..... Huron Tool and Cutting
ADDRESS... 75 State Street, Westbury, NY 11590
NAME..... Parafuse Corporation
ADDRESS... 65 Kinkel Street, Westbury, NY 11590
NAME..... American Motors
ADDRESS... 110 State Street, Westbury, NY 11590
NAME..... Laka Industry Inc.
ADDRESS... 62 Kinkel Street, Westbury, NY 11590
NAME..... Kwik-Eeze Corporation
ADDRESS... 54 Brooklyn Avenue, Westbury, NY 11590
NAME..... Blen-Cal Electronics
ADDRESS... 700 Summa Avenue, Westbury, NY 11590
NAME..... Sam Ton Salvage
ADDRESS... 299 Main Street, Westbury, NY 11590
NAME..... Advance Food Service Equipment
ADDRESS... 750 Summa Avenue, Westbury, NY 11590
NAME..... All-Shield Electronics
ADDRESS... 45 Bond Street, Westbury, NY 11590
NAME..... Anthonsen's All Metal Products
ADDRESS... 630-640 Main Street, Westbury, NY 11590

SYL00109443

NAME.....: Applied Fluids
ADDRESS...: 770 Main Street, Westbury, NY 11590
NAME.....: Arkwin Industries, Inc.
ADDRESS...: 686 Main Street, Westbury, NY 11590
NAME.....: IMC Magnetics Corporation
ADDRESS...: 570 Main Street, Westbury, NY 11590
NAME.....: Supreme Metal Fabricators
ADDRESS...: 776-790 Summa Avenue, Westbury, NY 11590
NAME.....: Metpar Steel
ADDRESS...: 97 State Street, Westbury, NY 11590
NAME.....: Continental Extrusion
ADDRESS...: 751 Summa Avenue, Westbury, NY 11590
NAME.....: Make 1 Stop Auto S&J Body & Fender
ADDRESS...: 51 Urban Avenue, Westbury, NY 11590
NAME.....: Tapemakers Inc.
ADDRESS...: 48 Urban Avenue, Westbury, NY 11590
NAME.....: Avon Press
ADDRESS...: 25 Kinkel Street, Westbury, NY 11590
NAME.....: Howard Schubert
ADDRESS...: 51 Rushmore Street, Westbury, NY 11590
NAME.....: Arkwin Industries
ADDRESS...: 670 Main Street, Westbury, NY 11590
NAME.....: Arkwin Industries
ADDRESS...: 656 Main Street, Westbury, NY 11590
NAME.....: Arkwin Industries
ADDRESS...: 710 Summa Avenue, Westbury, NY 11590
NAME.....: Arkwin Industries
ADDRESS...: 70 Main Street, Westbury, NY 11590
NAME.....: Sew Simple
ADDRESS...: 710 Summa Avenue, Westbury, NY 11590
NAME.....: Korg USA, Inc.
ADDRESS...: 89 Frost Street, Westbury, NY 11590
NAME.....: New York Testing
ADDRESS...: 81 Urban Avenue, Westbury, NY 11590

OWNER DURING DISPOSAL:

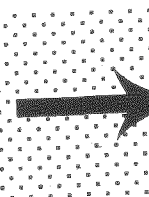
NAME.....:

OPERATOR(S) DURING DISPOSAL:

NAME.....: Continental Extrusion
ADDRESS...: 751 Summa Avenue, Westbury, NY 11590
NAME.....: Howard Schubert
ADDRESS...: 51 Rushmore Street, Westbury, NY 11590
NAME.....: Arkwin Industries, Inc.
ADDRESS...: 710 Summa Avenue, Westbury, NY 11590
NAME.....: Arkwin Industries, Inc.
ADDRESS...: 656 Main Street, Westbury, NY 11590
NAME.....: Arkwin Industries, Inc.
ADDRESS...: 670 Main Street, Westbury, NY 11590

SIGN
HERESIGN
HERE

SYL00109444

**SIGN
HERE**

NAME..... Arkwin Industries, Inc.
ADDRESS... 70 Main Street, Westbury, NY 11590
NAME..... Sew Simple
ADDRESS... 710 Summa Avenue, Westbury, NY 11590
NAME..... Korg USA, Inc.
ADDRESS... 89 Frost Street, Westbury, NY 11590
NAME..... Supreme Metal Fabricators
ADDRESS... 776-790 Summa Avenue, Westbury, NY 11590
NAME..... Metpar Steel
ADDRESS... 97 State Street, Westbury, NY 11590
NAME..... B&G Lighting
ADDRESS... 51 Urban Avenue, Westbury, NY 11590
NAME..... Avon Press
ADDRESS... 25 Kinkel Street, Westbury, NY 11590
NAME..... Tapemakers Inc.
ADDRESS... 48 Urban Avenue, Westbury, NY 11590
NAME..... Contemporary Packaging
ADDRESS... 90 Hopper Street, Westbury, NY 11590
NAME..... Judith Lewis Printers
ADDRESS... 40 Urban Avenue, Westbury, NY 11590
NAME..... Uniflex
ADDRESS... 474 Grand Blvd., Westbury, NY 11590
NAME..... Tischon Corporation
ADDRESS... 68 Kinkel Street, Westbury, NY 11590
NAME..... New York Testing
ADDRESS... 81 Urban Street, Westbury, NY 11590
NAME..... Tischon Corporation
ADDRESS... 29 Kinkel Street, Westbury, NY 11590
NAME..... Tischon Corporation
ADDRESS... 40 New York Avenue, Westbury, NY 11590
NAME..... Tischon Corporation
ADDRESS... 85 Brooklyn Avenue, Westbury, NY 11590
NAME..... Applied Fluids
ADDRESS... 770 Main Street, Westbury, NY 11590
NAME..... Arkwin Industries, Inc
ADDRESS... 686 Main Street, Westbury, NY 11590
NAME..... Atlas Graphics Inc.
ADDRESS... 567 Main Street, Westbury, NY 11590
NAME..... Autronic Plastics
ADDRESS... 18 Sylvester Street, Westbury, NY 11590
NAME..... Adchem Corporation
ADDRESS... 85 New York Avenue, Westbury, NY 11590
NAME..... Adchem Corporation
ADDRESS... 625 Main Street, Westbury, NY 11590
NAME..... Anthonsen's All Metal Products
ADDRESS... 630-640 Main Street, Westbury, NY 11590
NAME..... Alltronics

SYL00109445

SIGN
HERE

ADDRESS... 45 Bond Street, Westbury, NY 11590
NAME..... Advance Food Service Equipment
ADDRESS... 750 Summa Avenue, Westbury, NY 11590
NAME..... Avanel Industries
ADDRESS... 121 Hopper Street, Westbury, NY 11590
NAME..... Sew Simple
ADDRESS... 115 Frost Street, Westbury, NY 11590
NAME..... Utility Manufacturing Company
ADDRESS... 700 Main Street, Westbury, NY 11590
NAME..... Warren Machine Company
ADDRESS... 117 Urban Avenue, Westbury, NY 11590
NAME..... Freund Woodworking
ADDRESS... 589 Main Street, Westbury, NY 11590
NAME..... Valu-Litho
ADDRESS... 512 Main Street, Westbury, NY 11590
NAME..... Kleartone Transparent
ADDRESS... 695 Summa Avenue, Westbury, NY 11590
NAME..... Supreme Edgelight
ADDRESS... 5 Bond Street, Westbury, NY 11590
NAME..... Unicord
ADDRESS... 75 Frost Street, Westbury, NY 11590
NAME..... Jorway Corporation
ADDRESS... 27 Bond Street, Westbury, NY 11590
NAME..... New York Testing
ADDRESS... 75 Urban Avenue, Westbury, NY 11590
NAME..... Bogner Broadcast
ADDRESS... 401 Railroad Avenue, Westbury, NY 11590
NAME..... Royal Guard Fence
ADDRESS... 550 Main Street, Westbury, NY 11590
NAME..... T&S Brass and Bronze
ADDRESS... 128 Magnolia Avenue, Westbury, NY 11590
NAME..... B&L Collision
ADDRESS... 69 Kinkel Street, Westbury, NY 11590
NAME..... Fine Art Autobody
ADDRESS... 90 New York Avenue, Westbury, NY 11590
NAME..... Joerger Enterprises
ADDRESS... 32 New York Avenue, Westbury, NY 11590
NAME..... Holmes and Sons
ADDRESS... 84 New York Avenue, Westbury, NY 11590
NAME..... JCL Custom Metal Doors
ADDRESS... 95 Hopper Street, Westbury, NY 11590
NAME..... Custom Coating Inc.
ADDRESS... 36 New York Avenue, Westbury, NY 11590
NAME..... Dionics
ADDRESS... 65 Rushmore Street, Westbury, NY 11590
NAME..... Duraned Pharmaceuticals
ADDRESS... 72 Sylvester Street, Westbury, NY 11590

SYL00109446

NAME..... Guillotine Splicer
 ADDRESS... 45 Urban Avenue, Westbury, NY 11590
 NAME..... Huron Tool and Cutting
 ADDRESS... 75 State Street, Westbury, NY 11590
 NAME..... IMC Magnetix Corporation
 ADDRESS... 570 Main Street, Westbury, NY 11590
 NAME..... International Ribbon and Carbon
 ADDRESS... 49 Sylvester Street, Westbury, NY 11590
 NAME..... Hamilton Avent Electronics, Inc.
 ADDRESS... 70 State Street, Westbury, NY 11590
 NAME..... Island Transportation
 ADDRESS... 299 Main Street, Westbury, NY 11590
 NAME..... Blen-Cal Electronics
 ADDRESS... 700 Summa Avenue, Westbury, NY 11590
 NAME..... Kwik-Eeze Corporation
 ADDRESS... 54 Brooklyn Avenue, Westbury, NY 11590
 NAME..... Laka Industries
 ADDRESS... 62 Kinkel Street, Westbury, NY 11590
 NAME..... Molla Inc.
 ADDRESS... 110 State Street, Westbury, NY 11590
 NAME..... Parafuse Corporation
 ADDRESS... 65 Kinkel Street, Westbury, NY 11590
 NAME..... Permafuse Corporation
 ADDRESS... 675 Main Street, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from 1950 to present

SITE DESCRIPTION:

Flat topography: Industrial/commercial area Nearest Waterbody: Hempstead Bay approximately 6 miles northwest
 Nearest Water Supply: Approximately 400 feet south This site is a 170 acre industrial area that has operated since 1950. The site is bounded by the Long Island Railroad tracks on the north, Wantagh State Park on the east, Old County Road on the south, and Grand Boulevard on the west. According to a 1986 report by the Nassau County Department of Health, various chlorinated solvents such as tetrachloroethylene (PCE) and trichloroethane (TCA) were found in the groundwater beneath the site at levels between 2 and 9,800 ppb. The contaminated groundwater was found to be heading towards three public supply wells located south (downgradient) of the site. DEC subsequently listed this site as a Class 2. A state-funded investigation to determine the sources of contamination within the industrial area began in 1992 and was completed in early 1995. The results showed the existence of seven distinct contaminated groundwater plumes emanating from at least eleven different sources. PCE was found as high as 92,000 ppb and TCA was found as high as 79,000 ppb in groundwater. The site boundaries will be modified to include just the source areas, as the remainder of the site was found to be clean.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
Tetrachloroethylene (F001 & F002 Waste)	unknown
1,1,1-Trichloroethane (F001 & F002 Waste)	unknown

SYL00109447

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-X	Groundwater-X	Soil-X	Sediment-X
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-X	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Fine to medium grained sand and gravel
GROUNDWATER DEPTH: Ranges from 25-50 ft. below surface

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed-	Under Design-	In Progress-
NATURE OF ACTION:			Completed-

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Past site operations have contaminated the groundwater beneath the site with several chlorinated solvents. Contaminants are present in seven distinct plume areas. Groundwater is within an EPA-designated sole source aquifer. Contaminants are migrating towards public water supply wells that are immediately downgradient of the site.

ASSESSMENT OF HEALTH PROBLEMS:

USEPA COMPREHENSIVE ENVIRONMENTAL RESPONSE
COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)

SITE INFORMATION

EPA-ID: NY0001095363
Site Name: NEW CASSEL INDUSTRIAL AREA
Site Street: MAIN STREET
Site City/State/Zip: HEMPSTEAD, NY 11550

Site-ID: 0203974

NFRAP (No Further Remedial Activity Planned) Indicator:

Owner Indicator: Unknown
Incident Type:
Incident Category:
Non-NPL Status: Other Cleanup Activity: State-Lead Cleanup
Federal Facility Flag: Not a Federal Facility

NPL Status Indicator: Not on the NPL
USGS Hydrological Unit: 02030202
RCRA Flag:

SITE DESCRIPTION:

DISCOVERY IS BASED UPON A NYSDEC SITE INVESTIGATION RPT PREPARED BY LAWLER, MATUSKY & SKELLY ENGINEERS AND DATED: FEBRUARY/1995. THE SITE IS A 170 ACRE INDUSTRIAL PARK W 100 (+1-) INDUSTRIAL/COMMERCIAL BUSINESSES (ON SITE) DISCOVERY IS BASED UPON A NYSDEC SITE INVESTIGATION RPT PREPARED BY LAWLER, MATUSKY & SKELLY ENGINEERS AND DATED: FEBRUARY/1995. THE SITE IS A 170 AC RE INDUSTRIAL PARK W 100 (+1-) INDUSTRIAL/COMMERCIAL BUSINESSES (ON SITE)

OPERABLE UNIT INFORMATION

SYL00109448

Operable Unit ID: 00

Operable Unit Name: SITEWIDE

ACTION INFORMATION

Name: DISCOVERY
Lead: State, Fund Financed
Qualifier:
Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: No Entry into IFMS

Current Plan Start Date:
Current Plan Completion Date:
Actual Start Date:
Actual Completion Date: 19850701
Operable Unit ID: 00
Financial Budget Source:

Name: PRELIMINARY ASSESSMENT
Lead: State, Fund Financed
Qualifier: High
Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: Both Intramural and Extramural Entry into IFMS

Current Plan Start Date:
Current Plan Completion Date:
Actual Start Date: 19950201
Actual Completion Date: 19950915
Operable Unit ID: 00
Financial Budget Source: Remedial

Name: SITE INSPECTION
Lead: State, Fund Financed
Qualifier: High
Category:
Planning Status:
Anomaly Indicator:
IFMS Entry: Both Intramural and Extramural Entry into IFMS

Current Plan Start Date:
Current Plan Completion Date:
Actual Start Date: 19950915
Actual Completion Date: 19950929
Operable Unit ID: 00
Financial Budget Source: Remedial

FINANCIAL INFORMATION

No financial information was provided

Map Identification Number 10

TISHCON CORPORATION

Facility Id: 130043E

31-33 BROOKLYN AVENUE & 30-36 NEW YORK AVENUE NORTH HEMPSTEAD (T), NY 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 5083 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 33 BROOKLYN AV / 34 NEW YORK AVE

Revised zip code: NO CHANGE

SITE DESIGNATION: NPL -

CERCLIS -

NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SYL00109449

DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 2

REGION: 1

SITE CODE: 130043E

CLASSIFICATION CODE DESCRIPTION:

EPA ID: NYD001095363

Significant threat to the public health or environment - action required.

NAME OF SITE: Tishcon Corporation

STREET ADDRESS: 31-33 Brooklyn Avenue & 30-36 New York Avenue

TOWN/CITY: North Hempstead (T)

ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 1.5 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: Tishcon Corporation

ADDRESS...: 29 New York Avenue, Westbury, NY 11590

NAME.....: Equity Share Associates

ADDRESS...: 231 Washington St., Garden City, NY 11530

OWNER DURING DISPOSAL:

NAME.....: Tishcon Corporation

OPERATOR(S) DURING DISPOSAL:

NAME.....: Tishcon Corporation

ADDRESS...: 30 New York Avenue, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from 1980s to 1995

SITE DESCRIPTION:

This property is located between New York and Brooklyn Avenues midway between Old Country Road and Main Street in the New Cassel Industrial Area. The area has a flat topography and the nearest surface water is Hempstead Bay, approximately 6 miles southwest. The occupant of these properties manufactures dietary supplements such as vitamins. Soft gelatin capsules are manufactured on site. As part of this process, a 1,1,1-trichloroethane (TCA) dip was used to remove mineral oil from the capsules. Approximately four drums of TCA were used per week. Nassau County Department of Health records indicate that Tishcon used up to 16,000 gallons of TCA per year, and in 1992, found 21 ppm of the chemical in an on-site leachpool. Subsequent downgradient groundwater sampling found TCA, 1,1-dichloroethane, trichloroethylene and dichloroethylene at extremely high levels. A Consent Order was signed on June 5, 1996 for a Focused Remedial Investigation/Feasibility Study (FRI/FS) by the Tishcon Corporation for the 30-36 New York Avenue and the 31-33 Brooklyn portion of the site. The fieldwork was performed in July and August of 1996. This investigation found significant on-site soil and groundwater contamination. Notably 1,1,1 TCA at a level of 84 ppm in the groundwater and 220 ppm of 1,1,1 TCA in the on-site soils. The potentially responsible party (PRP) has signed a consent order for a FRI/FS for the on-site groundwater. Sampling for OU2 (groundwater) was completed in November 1998. An air sparging/soil vapor extraction system was constructed and put into operation in January 2000 to address the on-site groundwater and soil contamination. A remedial design consent order will be negotiated to address off-site groundwater contamination (OU2).

CONFIRMED HAZARDOUS WASTE DISPOSED:

SYL00109450

TYPE	QUANTITY				
1,1,1-Trichloroethane {(TCA) (F002 Waste)}	unknown				
ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-X	Soil-X	Sediment-X
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	
GEOTECHNICAL INFORMATION:					
SOIL/ROCK TYPE:	Fine to medium grained sand and gravel.				
GROUNDWATER DEPTH:	Range: 50 to 55 feet.				
LEGAL ACTION:	Type: Consent Order	State-X	Federal-		
STATUS:	Negotiation in Progress-X	Order Signed-			
REMEDIAL ACTION:	Proposed-	Under Design-	In Progress-X	Completed-	
NATURE OF ACTION:	AS/SVE				

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Past site operations have contaminated groundwater beneath and downgradient of the site with extremely high levels of TCA and 1,1-dichloroethane. The contaminated groundwater is located within an EPA-designated sole-source aquifer. The contaminant plume that is partially emanating from the site has migrated 1,000 feet downgradient.

ASSESSMENT OF HEALTH PROBLEMS:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers.

Map Identification Number 11

FORMER TISHCON CORPORATION
68 KINKEL STREET

WESTBURY, NY 11590

Facility Id: 130043F

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 5146 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: D1
CLASSIFICATION CODE DESCRIPTION:

REGION: 1

SITE CODE: 130043F
EPA ID: NYD001095363

SYL00109451

Delisted site - hazardous waste not found.

NAME OF SITE: Former Tishcon Corporation
STREET ADDRESS: 68 Kinkel Street
TOWN/CITY: Westbury

ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 0.25 Acre

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: Mr. Thomas Garguilo, Jr.
ADDRESS...: 65 Kinkel Street, Westbury, NY 11590

OWNER DURING DISPOSAL:

NAME.....:
OPERATOR(S) DURING DISPOSAL:
NAME.....: Tishcon Corporation
ADDRESS...: 29 New York Avenue, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from 1982 to 1983

SITE DESCRIPTION:

Flat topography: Industrial area Nearest Surface Water Body: Hempstead Bay, approximately 6 miles southwest Nearest Water Supply Well: Approximately 1,550 feet south This property is located on Kinkel Street just below Main Street in the New Cassel Industrial Area. The former occupant of this site used to manufacture dietary supplements at this location, as well as several other locations in the industrial park. Chemicals such as 1,1,1-trichloroethane (TCA) were used as part of this process. According to Nassau County Department of Health records, Tishcon used 1,650 gallons of TCA per year at this location. A 1994 site inspection conducted by NYSDEC revealed a likely abandoned leachpool location in the alley behind the building. Subsequent downgradient groundwater sampling found TCA and 1,2-dichloroethylene well above standards. This site has received a State Superfund referral. A standby consultant has been authorized to implement a Focused Remedial Investigation and Feasibility Study for the site. The fieldwork was completed in April of 1996.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY				
1,1,1-Trichloroethane {(TCA) (F002 Waste)}	unknown				
ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-X	Groundwater-X	Soil-X	Sediment-X
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: medium to fine grained sand and gravel
GROUNDWATER DEPTH: Varies from 50-52 feet

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-X	Order Signed-	
REMEDIAL ACTION:	Proposed- Under Design-	In Progress-X	Completed-

SYL00109452

NATURE OF ACTION:

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Past site operations have contaminated groundwater beneath the site with TCA. The contaminated groundwater is located within an EPA-designated sole-source aquifer. The contaminant that is partially emanating from the site has migrated approx. 700 ft. downgradient. Two public water supply wells are located approx. 1,550 feet downgradient of the site.

ASSESSMENT OF HEALTH PROBLEMS:

Groundwater is the primary source of drinking water in the area and multiple groundwater contaminant plumes in the New Cassel Industrial Park have been identified. Monitoring wells located within the area contained several volatile organic compounds (VOCs) in excess of NYS drinking water standards. Public water supply wells are located 300 to 500 meters downgradient of the industrial area and are contaminated with low levels of VOCs that do exceed the NYS drinking water standards. These wells are being treated with granular activated carbon filtration units to remove contaminants before water is distributed to consumers.

Map Identification Number 12

FORMER LAKA INDUSTRIES, INC.
62 KINKEL STREET

NORTH HEMPSTEAD (T), NY 11590

Facility Id: 130043K

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 5211 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

SITE DESIGNATION: NPL - CERCLIS - NYSDEC REGISTRY - X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 2

REGION: 1

SITE CODE: 130043K

CLASSIFICATION CODE DESCRIPTION:

EPA ID: NYD001095363

Significant threat to the public health or environment - action required.

NAME OF SITE: Former LAKA Industries, Inc.

STREET ADDRESS: 62 Kinkel Street

TOWN/CITY: North Hempstead (T)

ZIP: 11590

COUNTY: Nassau

SITE TYPE: Dump- Structure-X Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE: 0.17 Acre

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):

NAME.....: DermKraft, Inc.

ADDRESS...: 62 Kinkel Street, Westbury, NY 11590

SYL00109453

OWNER DURING DISPOSAL:

NAME.....:

OPERATOR(S) DURING DISPOSAL:

NAME.....: LAKA Industries, Inc.

ADDRESS...: 62 Kinkel Street, Westbury, NY 11590

HAZARDOUS WASTE DISPOSAL PERIOD: from 1971 to 1984

SITE DESCRIPTION:

This site is located on the east side of Kinkel Street, south of Main Street in the New Cassel Industrial Area. The former occupants LAKA Tools and Stamping and LAKA Industries used trichloroethylene (TCE) as a degreaser. Soil samples collected from an abandoned drywell or cesspool contained extremely high levels of TCE and cis-1,2-dichloroethylene (DCE) and groundwater samples collected at the same locations also contained high levels of both TCE and cis-1,2-DCE. Past site operations have contaminated groundwater beneath and downgradient of the site with high levels of TCE and cis-1,2-DCE. The contaminated groundwater is located within an EPA designated sole-source aquifer. The contaminated plume that is emanating from this site has migrated approximately 700 feet downgradient. Two public water supply wells are located 1,500 feet downgradient of this site. This site has received a State Superfund referral. A standby consultant was authorized to implement a Focused Remedial Investigation and Feasibility Study. The field work was completed in October 1998. The Focused Remedial Investigation dated November 1998 and the Focused Feasibility Study dated May 1999 were presented along with the Proposed Remedial Action Plan for Operable Unit 01 On-site Soil and Groundwater were presented at a public meeting September 30, 1999. The selected remedy was the Excavation and Off-site Disposal of Soil and includes monitoring of on-site groundwater for a period of at least two years.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
-----	-----
Trichloroethylene (F001-F002)	unknown

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-X	Soil-X	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Fine to medium grained sand and gravel.
 GROUNDWATER DEPTH: Range: 55 to 60 feet.

LEGAL ACTION:	Type:	State-	Federal-
STATUS:	Negotiation in Progress-	Order Signed-	
REMEDIAL ACTION:	Proposed-X Under Design-	In Progress-	Completed-
NATURE OF ACTION:	Source removal/monitoring		

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Past site operations have contaminated the groundwater within a sole-source aquifer at and downgradient of the site with high levels of Trichloroethylene.

ASSESSMENT OF HEALTH PROBLEMS:

There are multiple groundwater contaminant plumes beneath the New Cassel Industrial Park. Activities at the site

SYL00109454

have contributed to the groundwater contamination. Public water supply wells are located 300 to 500 yards downgradient of the industrial area and are contaminated with levels of volatile organic compounds (VOCs) that exceed New York State drinking water standards. The wells are treated to remove contaminants before water is distributed to customers.

SYL00109455



*** NO HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES IDENTIFIED WITHIN THE SEARCH AREA ***

SYL00109456



*** NO HAZARDOUS MATERIAL SPILLS IDENTIFIED WITHIN THE SEARCH AREA ***

SYL00109457



*** TOXIC AIR, LAND AND WATER RELEASES IDENTIFIED WITHIN THE SEARCH AREA ***

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 13 TISHCON CORP.(STATE ST.FAC.)

EPA Tri Id: 11590TSHCN125ST
DEC Facility Id: 281640EPA (FINDS) Name: TISHCON CORP.
EPA (FINDS) Address: 125 STATE ST.

WESTBURY, NY 11590

WESTBURY, NY 11590

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE (2)

Approximate distance from property: 3812 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

CHEMICAL NAME	DISCHARGE AMT(LBS/YR)	YEAR DISCHARGED	RELEASE TYPE	MAXIMUM AMOUNT STORED (LBS)
METHANOL (METHYL ALCOHOL)	71301	93	STACK AIR EMISSIONS	1,000-9,999
1,1,1-TRICHLOROETHANE	37198	93	STACK AIR EMISSIONS	1,000-9,999
METHYLENE CHLORIDE (DICHLOROMETHANE)	181800	93	STACK AIR EMISSIONS	1,000-9,999

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
METHANOL (METHYL ALCOHOL)	67561	X	X	X	X	X	50 ug/L
1,1,1-TRICHLOROETHANE	71556	X	X	X	X	X	5 ug/L
METHYLENE CHLORIDE (DICHLOROMETHANE)	75092	X	X	X	X	X	5 ug/L

Map Identification Number 14 TISHCON CORP.(STATE ST.FAC.)

EPA Tri Id: 11590TSHCN125ST
DEC Facility Id: 281640EPA (FINDS) Name: TISHCON CORP.
EPA (FINDS) Address: 125 STATE ST.

WESTBURY, NY 11590

WESTBURY, NY 11590

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (1)

Approximate distance from property: 3912 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

CHEMICAL NAME	DISCHARGE AMT(LBS/YR)	YEAR DISCHARGED	RELEASE TYPE	MAXIMUM AMOUNT STORED (LBS)
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SYL00109458

METHANOL (METHYL ALCOHOL)	71301	93	STACK AIR EMISSIONS	1,000-9,999
1,1,1-TRICHLOROETHANE	37198	93	STACK AIR EMISSIONS	1,000-9,999
METHYLENE CHLORIDE (DICHLOROMETHANE)	181800	93	STACK AIR EMISSIONS	1,000-9,999

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
METHANOL (METHYL ALCOHOL)	67561	X	X	X	X	X	50 ug/L
1,1,1-TRICHLOROETHANE	71556	X	X	X	X	X	5 ug/L
METHYLENE CHLORIDE (DICHLOROMETHANE)	75092	X	X	X	X	X	5 ug/L

Map Identification Number 15 ARKWIN INDUSTRIES

EPA Tri Id: 11590RKWNN648MA
DEC Facility Id: 280090EPA (FINDS) Name: 686 MAIN ST.
EPA (FINDS) Address: ARKWIN IND. INC.
648 MAIN ST.

WESTBURY, NY 11590

WESTBURY, NY 115909035

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 4463 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

CHEMICAL NAME	DISCHARGE AMT(LBS/YR)	YEAR DISCHARGED	RELEASE TYPE	MAXIMUM AMOUNT STORED (LBS)
1,1,1-TRICHLOROETHANE	345	93	FUGITIVE AIR RELEASE	1,000-9,999
1,1,1-TRICHLOROETHANE	190	93	STACK AIR EMISSIONS	1,000-9,999
1,1,1-TRICHLOROETHANE	34348	92	SOLV/ORG RECOV;INCIN/INSIG FUEL VAL	1,000-9,999
1,1,1-TRICHLOROETHANE	11449	92	NO TRANSFER CODE GIVEN	1,000-9,999

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
1,1,1-TRICHLOROETHANE	71556	X	X	X	X	X	5 ug/L

SYL00109459

*** AIR DISCHARGE FACILITIES IDENTIFIED WITHIN THE SEARCH AREA ***

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 16 **KLEARTONE TRANSPARENT PROD_CO INC**
695 SUMMA AVENUE
EPA (FINDS) Name: KLEARTONE TRANSPARENT PROD_CO INC
EPA (FINDS) Address: 695 SUMMA AVENUE

Facility Id: 3605900171
WESTBURY, NY 11590
WESTBURY 11590

State-county CDS Id: 3605900171
State-county NED id: 360591517

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 3866 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: 11545

CDS-ID: 00171 NED-ID: 1517
Plant Phone #1: (516)334-1400 Plant Phone #2: (516)334-1400
Operating Status: OPERATING

EPA-ID: NYD002059624

FINDS-ID: NYD002059624

EPA Classification:

State Classification: POTENTIAL EMISSIONS ARE BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS IF AND
ONLY IF SOURCE COMPLIES WITH FEDERALLY ENFORCEABLE REGULATIONS OR LIMITATIONS

EPA Plant Compliance Status:

State Plant Compliance Status: MEETING COMPLIANCE SCHEDULE

AIR PROGRAM INFORMATION

Regulatory Air Program: SIP SOURCE

Program Status: OPERATING

POLLUTANT INFORMATION

Pollutant: VOLATILE ORGANIC COMPOUNDS

State Pollutant Compliance for this pollutant: MEETING COMPLIANCE SCHEDULE

Map Identification Number 17 **METPAR STEEL PROD**
95 STATE STREET
EPA (FINDS) Name: METPAR STEEL PROD
EPA (FINDS) Address: 95 STATE STREET

Facility Id: 3605900064
WESTBURY, NY 115900000
WESTBURY 115900000

State-county CDS Id: 3605900064
State-county NED id: 360591829

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 4173 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: 95 STATE ST
Revised zip code: 11590

SYL00109460

CDS-ID: 00064 NED-ID: 1829
Plant Phone #1: (516)333-2600 Plant Phone #2: (516)333-2600
Operating Status: OPERATING
EPA Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
State Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
EPA Plant Compliance Status:
State Plant Compliance Status: IN COMPLIANCE - CERTIFICATION

EPA-ID: NYD002041945

FINDS-ID: NYD002041945

AIR PROGRAM INFORMATION

Regulatory Air Program: SIP SOURCE

Program Status: OPERATING

POLLUTANT INFORMATION

Pollutant: TOTAL PARTICULATE MATTER

State Pollutant Compliance for this pollutant: IN COMPLIANCE - CERTIFICATION

Pollutant: VOLATILE ORGANIC COMPOUNDS

State Pollutant Compliance for this pollutant: IN COMPLIANCE - INSPECTION

Map Identification Number 18 ADCHEM CORP
625 MAIN STREET
EPA (FINDS) Name: ADCHEM CORP
EPA (FINDS) Address: 625 MAIN STREET

Facility Id: 3605900122
WESTBURY, NY 115900000
WESTBURY 115900000

State-county CDS Id: 3605900122
State-county NED id: 360594105

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 4964 feet to the SW

ADDRESS CHANGE INFORMATION

Revised street: 625 S MAIN ST
Revised zip code: 11590

CDS-ID: 00122 NED-ID: 4105
Plant Phone #1: (516)333-3843 Plant Phone #2: (516)333-3843
Operating Status: OPERATING
EPA Classification: ACT OR POTENTIAL CONTROLLED EMISSIONS >100 TONS/YR AS PER ALABAMA POWER DECISION
State Classification: ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS
EPA Plant Compliance Status:
State Plant Compliance Status: IN COMPLIANCE - INSPECTION

EPA-ID: NYD049207236

FINDS-ID: NYD049207236

AIR PROGRAM INFORMATION

Regulatory Air Program: SIP SOURCE
Regulatory Air Program: TITLE V PERMITS

Program Status: OPERATING
Program Status: OPERATING

POLLUTANT INFORMATION

Pollutant: TOTAL HYDROCARBONS

State Pollutant Compliance for this pollutant: IN COMPLIANCE - INSPECTION

SYL00109461

Pollutant: VOLATILE ORGANIC COMPOUNDS

State Pollutant Compliance for this pollutant: IN COMPLIANCE - INSPECTION

SYL00109462

*** NO CIVIL ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN THE SEARCH AREA ***

SYL00109463

How Toxic Site Locations Are Mapped

Toxics Targeting maps toxic site locations on a computerized version of the U. S. Census map using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each *Toxic Site Profile*, along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12

Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street

Anytown, NY 11797

MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a computerized version of the U. S. Census map. These site locations are identified "address-matched."

Note: Some sites have an address match location and a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

2) Some toxic sites are located using map coordinates provided by site owners/operators or government agencies. These site locations are identified "map coordinate." Map coordinates for Toxics Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect.

or Manual Mapping

or Site Visit

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

SYL00109464

Information Source Guide

Toxics Targeting's Computerized Environmental Reports contain government information compiled from 16 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information.

1) **Inactive Hazardous Waste Disposal Site Registry:** New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.²

Profile data updated through: 5/24/2000.

Data obtained by Toxics Targeting: 10/5/2000.

New Facilities updated to: 6/30/2001.

Data obtained by Toxics Targeting: 9/17/2001.

2) **CERCLIS:** Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. NPL sites are also included in CERCLIS. ASTM required.* Fannie Mae required.**
Source: U. S. Environmental Protection Agency.¹

Profile data updated through: 09/16/2002.

Data obtained by Toxics Targeting: 09/26/2002.

New Facilities updated through: 09/16/2002.

Data obtained by Toxics Targeting: 09/26/2002.

3) **National Priority List for Federal Superfund Cleanup:** Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. ASTM required.* Fannie Mae required.**
Source: U. S. Environmental Protection Agency.¹

Profile data updated through: 05/01/2002.

Data obtained by Toxics Targeting: 09/25/2002.

New Facilities updated through: 09/16/2002.

Data obtained by Toxics Targeting: 09/26/2002.

4) **Hazardous Substance Waste Disposal Site Study:** NYS database of waste disposal sites that may pose threats to public health or the environment, but cannot be remediated using monies from the Hazardous Waste Remedial Fund.
Source: New York State Department of Environmental Conservation.²

Data updated to: 5/16/2000.

Data obtained by Toxics Targeting: 5/16/2000.

5) **Solid Waste Facilities:** NYS database of solid waste facilities, including, but not limited to, landfills, incinerators, transfer stations, recycling centers. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.²

Data updated to: 1/01/1998.

Data obtained by Toxics Targeting: 6/30/1998.

Also includes a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.
Source: City of New York Dept. of Sanitation (1984). *The Waste Disposal Problem in New York City: A Proposal For Action.*

6) **Major Oil Storage Facilities:** NYS database of facilities licensed pursuant to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons. Data withheld by NYSDEC as of 4/1/2002. Fannie Mae required.**
Source: New York State Department of Environmental Conservation.²

New facilities updated through: 1/1/2002.

New facilities data obtained by Toxics Targeting: 1/11/2002.

Tank data updated through: 1/1/2002.

Tank data obtained by Toxics Targeting: 1/11/2002.

7) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the DEC's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law and the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.**

Source: New York State Department of Environmental Conservation.²

New facilities updated through: 9/28/2000. New facilities obtained by Toxics Targeting: 10/5/2000.

Manifest transactions data updated to: 9/28/2000. Manifest transactions data obtained by Toxics Targeting: 10/5/2000.

(b) **Notifier Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

ASTM required.* Fannie Mae required.**

Source: U. S. Environmental Protection Agency¹

New facilities updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

Data attributes updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

(c) RCRA Violations Information:

U. S. Environmental Protection Agency database of violations data reported for facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

Source: U. S. Environmental Protection Agency¹

New facilities updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

Data attributes updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

(d) RCRIS Corrective Action Activity (CORRACTS) Information: U. S. Environmental Protection Agency (EPA) database of hazardous waste facilities with corrective action activity. This data is part of the RCRIS National Oversight database.

Source: U. S. Environmental Protection Agency¹

Data updated through: 3/11/2002.

Data obtained by Toxics Targeting: 3/29/2002.

8) Spills Information Database: Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). The database includes *active* and *closed* spills reported before 03/01/2003.

Data updated on a rolling basis. ASTM required.* Fannie Mae.**

Source: NYS Department of Environmental Conservation.²

New spills through: 02/28/2003.

Most spill attribute data updated through 01/01/2002.

Limited spill attribute data updated to between 01/01/2002 and 02/28/2003. (See individual spill profiles.)

Active spills: paperwork not completed.

Closed spills: paperwork completed.

Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

9) Petroleum Bulk Storage Facilities: Local and State databases of aboveground and underground petroleum storage facilities with a combined storage capacity over 1,100 gallons. ASTM required.* Fannie Mae required.**

All New York Counties except Cortland, Nassau, Rockland, and Suffolk:

Source: NYS Department of Environmental Conservation.²

Update schedule: rolling basis; Data has been withheld by the NYSDEC since 4/1/2002.

Facility data updated through: 1/1/2002 (10/1/98 for Westchester Co.).

Facility data obtained by Toxics Targeting: 1/11/2002.

Tank data updated through: 1/1/2002 (10/1/98 for Westchester Co.).

Tank data obtained by Toxics Targeting: 1/11/2002.

Nassau County:

Heat producing products and other products with less than 1,000 gallons storage capacity:

Source: Nassau County Department of Health.³ Data update schedule: rolling basis

Data updated through: 10/4/2000.

Data obtained by Toxics Targeting: 11/5/2000.

Generally non-heat producing products with more than 1,000 gallons storage capacity:

Source: Nassau County Fire Marshall.⁴ Data update schedule: rolling basis with annual update

Data updated through: 9/27/1996 for mapped sites; 03/21/2000 for on-site checks.

Rockland County:

Source: Rockland County Department of Health.⁵ Data update schedule: rolling basis.

Data updated through: 8/11/1998.

Data obtained by Toxics Targeting: 8/17/1998.

Suffolk County:

Source: Suffolk County Department of Health Services.⁶ Data update schedule: annual update.

Data updated through: 1/12/1999.

Data obtained by Toxics Targeting: 2/26/1999.

10. RCRA Hazardous Waste Generators and/or Transporters Databases:

(a) Manifest Information: New York State database of hazardous waste facilities and shipments regulated by the New York State Department of Environmental Conservation's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law. ASTM required.* Fannie Mae required.**

Source: New York State Department of Environmental Conservation.²

New facilities updated through: 9/28/2000. New facilities obtained by Toxics Targeting: 10/5/2000.

Manifest transactions data updated to: 9/28/2000. Manifest transactions data obtained by Toxics Targeting: 10/5/2000.

(b) RCRA Notifier Information: U. S. Environmental Protection Agency database of hazardous waste facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

Source: U. S. Environmental Protection Agency¹

New facilities updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

Data attributes updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

(c) **RCRA Violations Information:** U. S. Environmental Protection Agency database of violations data reported for facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).

Source: U. S. Environmental Protection Agency¹

New facilities updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

Data attributes updated through: 2/20/2001.

Data obtained by Toxics Targeting: 2/20/2001.

(d) **RCRIS Corrective Action Activity (CORRACTS) Information:** U. S. Environmental Protection Agency (EPA) database of hazardous waste facilities with corrective action activity. This data is part of the RCRIS National Oversight database.

Source: U. S. Environmental Protection Agency¹

Data updated through: 3/11/2002.

Data obtained by Toxics Targeting: 3/29/2002.

11) **Chemical Bulk Storage Facilities:** New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size. Data withheld by NYSDEC as of 4/1/2002. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.²

Data updated through: 1/1/2002.

Data obtained by Toxics Targeting: 1/11/2002.

12) **Toxic Release Inventory:** New York State and Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement** below.

Source: NYS Department of Environmental Conservation²/U. S. Environmental Protection Agency.¹

Data update schedule: rolling basis, with annual information summary for previous year's activities available from NYSDEC each July 1, with corrections and additional information available approximately mid-August.

Data updated through: 5/9/1996.

Data obtained by Toxics Targeting: 5/14/1996

13) **Air Discharge Facilities:** EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.

See Fannie Mae requirement** below.

Source: U. S. Environmental Protection Agency¹

Data updated through: 11/24/1999.

Data obtained by Toxics Targeting: 1/06/2000

14) **Toxic Wastewater Discharges (Permit Compliance System):** Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement** below.

Source: U. S. Environmental Protection Agency.¹

Data updated through: 9/23/1996.

Data obtained by Toxics Targeting: 9/30/1996

15) **U. S. Environmental Protection Agency Civil Enforcement Docket:** This database is the U. S. EPA's system for tracking civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.**

Source: U. S. Environmental Protection Agency.¹

Data update schedule: quarterly. Date updated: 4/1996.

Date information obtained by Toxics Targeting: 8/1996

16) **Emergency Response Notification System (ERNS):** Federal database of spills compiled by the Emergency Response Notification System. On-site searches only. ASTM required.* See Fannie Mae requirement** below.

Source: U. S. Environmental Protection Agency.¹

Data updated through: 1/31/2000.

Data obtained by Toxics Targeting: 2/15/2000

*American Society of Testing Materials Standards on Environmental Site Assessments for Commercial Real Estate (E 1527-93, E 1528-93).

** Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

¹U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

²NYS Department of Environmental Conservation, 50 Wolf Road, Albany, NY 12233.

³Nassau County Department of Health, Bureau of Land Resources Management, 240 Old Country Road, Mineola, NY 11501.

⁴Nassau County Fire Commission, Office of the Fire Marshall, 899 Jerusalem Avenue, P. O. Box 128, Uniondale, NY 11553.

⁵Rockland County Department of Health, The Dr. Robert Yeager Health Center, Building D, Sanitorium Road, Pomona, NY 10970.

⁶Suffolk County Department of Health, Hazardous Materials Management, 15 Horseblock Place, Farmingville, NY 11738-1220.



**ACKNOWLEDGEMENT OF NOTIFICATION
OF HAZARDOUS WASTE ACTIVITY
(VERIFICATION)**

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

NY137CC12387

AIR TECHNIQUES INC
70 CANTIACLE ROCK ROAD
FICKSVILLE

NY 11801

INSTALLATION ADDRESS

70 CANTIACLE ROCK ROAD
FICKSVILLE

NY 11801



ACKNOWLEDGEMENT OF NOTIFICATION
OF HAZARDOUS WASTE ACTIVITY
(VERIFICATION)

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

• NYT37C012387

AIR TECHNIQUES INC
70 CANTIAGUE ROCK ROAD
HICKSVILLE

NY 11801

INSTALLATION ADDRESS

70 CANTIAGUE ROCK ROAD
HICKSVILLE

NY 11801

Please print or type with ELITE type (12 characters/inch) in the unshaded areas only.

Form Approved OMB No. 158-S79016
GSA No. 0246-EPA-OT

EPA U.S. ENVIRONMENTAL PROTECTION AGENCY		NOTIFICATION OF HAZARDOUS WASTE ACTIVITY
INSTALLATION'S EPA I.D. NO.	PLEASE PLACE LABEL IN THIS SPACE	
I. NAME OF INSTALLATION		
II. INSTALLATION MAILING ADDRESS		
III. LOCATION OF INSTALLATION		
INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law (Section 3010 of the Resource Conservation and Recovery Act).		

FOR OFFICIAL USE ONLY

COMMENTS	
C	

INSTALLATION'S EPA I.D. NUMBER	APPROVED	DATE RECEIVED (yr., mo., & day)
NYT37001238721		810603

I. NAME OF INSTALLATION
AIR TECHNIQUES INC

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX
370 CANTIAQUE ROCK ROAD

CITY OR TOWN	ST.	ZIP CODE
HICKSVILLE	NY	11801

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER
577 CANTIAQUE ROCK ROAD

CITY OR TOWN	ST.	ZIP CODE
HICKSVILLE	NY	11801

IV. INSTALLATION CONTACT

NAME AND TITLE (last, first, & job title)	PHONE NO. (area code & no.)
GALASSO BOB-PLANT MANAGER	516-433-7676

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER
LOUIS BROOKS

VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))

F - FEDERAL M - NON-FEDERAL	<input checked="" type="checkbox"/> A. GENERATION <input type="checkbox"/> B. TRANSPORTATION (complete Item VII) <input type="checkbox"/> C. TREAT/STORE/DISPOSE <input type="checkbox"/> D. UNDERGROUND INJECTION
--------------------------------	---

VII. MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate box(es))

<input type="checkbox"/> A. AIR <input type="checkbox"/> B. RAIL <input type="checkbox"/> C. HIGHWAY <input type="checkbox"/> D. WATER <input type="checkbox"/> E. OTHER (specify):

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

<input checked="" type="checkbox"/> A. FIRST NOTIFICATION <input type="checkbox"/> B. SUBSEQUENT NOTIFICATION (complete Item C)	C. INSTALLATION'S EPA I.D. NO.
--	--------------------------------

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.

W	N	Y	T	3	7	4	4	1	2	3	8	7	2	1
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

IX. DESCRIPTION OF HAZARDOUS WASTES (continued from front)

A. HAZARDOUS WASTES FROM NON-SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from non-specific sources your installation handles. Use additional sheets if necessary.

1 F001	2 F017	3	4	5	6
7	8	9	10	11	12

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48

D. LISTED INFECTIOUS WASTES. Enter the four-digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54
----	----	----	----	----	----

E. CHARACTERISTICS OF NON-LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non-listed hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24.)

☐ 1. IGNITABLE
(D001)

☐ 2. CORROSIVE
(D002)

☐ 3. REACTIVE
(D003)

☒ 4. TOXIC
(D000)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE



NAME & OFFICIAL TITLE (type or print)

Plant Mgr.

DATE SIGNED

5/29/81



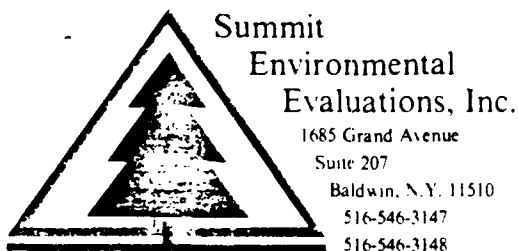
AIR TECHNIQUES INCORPORATED

70 CANTIAGUE ROCK ROAD • HICKSVILLE, NY 11801

BOB GALASSO
PLANT MANAGER

TEL: 516/433-7676

USEPA 000137



CERTIFIED MAIL RETURN RECEIPT REQUESTED# P 502 908 364

April 16, 1990

U.S. Environmental Protection Agency
Region II
Permits Administration Branch
26 Federal Plaza
New York, N.Y. 10278

Re: Notification of Regulated Waste Activity
To Whom It May Concern:

Summit Environmental Evaluations, Inc., has been retained by Air Techniques, Inc., to prepare a Subsequent Notification of Regulated Waste Activity for their facility located at 70 Cantiague Rock Road, Hicksville, NY 11801. Enclosed you will find a subsequent notification of regulated waste activity for their facility. The notification is being made due to new listed or characteristic wastes being handled at the facility.

If you have any questions concerning this matter, kindly contact me at the above number.

Sincerely,

Carol A. Macys
Summit Environmental Evaluations, Inc.

enc.

cc. Mr. Harry Nagel, Air Techniques, Inc.

USEPA 000138

Please refer to the Instructions for Filing Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).

**EPA**

Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received
(For Official Use Only)

4/20/90

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)☐

A. First Notification

☒B. Subsequent Notification
(complete item C)

C. Installation's EPA ID Number

N Y D O 4 3 8 3 5 0 8 1

II. Name of Installation (Include company and specific site name)

new waste code.

A I R T E C H N I Q U E S I N C .

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street

7 O C A N T I A G U E R O C K R O A D

Street (continued)

City or Town

H I C K S V I L L E

State

N Y

ZIP Code

1 1 8 0 1 -

County Code

County Name

N A S S A U

IV. Installation Mailing Address (See Instructions)

Street or P.O. Box

S A M E

City or Town

State

ZIP Code

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (last)

N A G E L

(first)

H A R R Y

Job Title

MGR. SPECIAL PROJECTS ENGINEER

Phone Number (area code and number)

5 1 6 - 4 3 3 - 7 6 7 6

VI. Installation Contact Address (See Instructions)A. Contact Address
Location Mailing☒

B. Street or P.O. Box

City or Town

State

ZIP Code

VII. Ownership (See instructions)

A. Name of Installation's Legal Owner

A I R T E C H N I Q U E S I N C .

Street, P.O. Box, or Route Number

7 O C A N T I A G U E R O C K R O A D

City or Town

H I C K S V I L L E

State

N Y

ZIP Code

1 1 8 0 1 -

Phone Number (area code and number)

5 1 6 - 4 3 3 - 7 6 7 6

B. Land Type

P

C. Owner Type

P

D. Change of Owner
Indicator

Yes

No

X

(Date Changed)

Month

Day

Year

ID - For Official Use Only																																			
VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to Instructions.)																																			
A. Hazardous Waste Activity						B. Used Oil Fuel Activities																													
1. Generator (See Instructions) <input checked="" type="checkbox"/> a. Greater than 1000kg/mo (2,200 lbs.) <input type="checkbox"/> b. 100 to 1000 kg/mo (220 - 2,200 lbs.) <input type="checkbox"/> c. Less than 100 kg/mo (220 lbs.) 2. Transporter (Indicate Mode in boxes 1-5 below) <input type="checkbox"/> a. For own waste only <input type="checkbox"/> b. For commercial purposes Mode of Transportation <input type="checkbox"/> 1. Air <input type="checkbox"/> 2. Rail <input type="checkbox"/> 3. Highway <input type="checkbox"/> 4. Water <input type="checkbox"/> 5. Other - specify 						3. Treater, Storer, Disposer (at installation) Note: A permit is required for this activity; see instructions. 4. Hazardous Waste Fuel <input type="checkbox"/> a. Generator Marketing to Burner <input type="checkbox"/> b. Other Marketers <input type="checkbox"/> c. Burner - indicate device(s) - Type of Combustion Device <input type="checkbox"/> 1. Utility Boiler <input type="checkbox"/> 2. Industrial Boiler <input type="checkbox"/> 3. Industrial Furnace <input type="checkbox"/> 5. Underground Injection Control						1. Off-Specification Used Oil Fuel <input type="checkbox"/> a. Generator Marketing to Burner <input type="checkbox"/> b. Other Marketer <input type="checkbox"/> c. Burner - indicate device(s) - Type of Combustion Device <input type="checkbox"/> 1. Utility Boiler <input type="checkbox"/> 2. Industrial Boiler <input type="checkbox"/> 3. Industrial Furnace <input type="checkbox"/> 2. Specification Used Oil Fuel Marketer (or On-site Burner) Who First Claims the Oil Meets the Specification																							
IX. Description of Regulated Wastes (Use additional sheets if necessary)																																			
A. Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.20 - 261.24) <table style="width: 100%; border-collapse: collapse;"><tr><td style="text-align: center;">1. Ignitable (D001) <input type="checkbox"/></td><td style="text-align: center;">2. Corrosive (D002) <input type="checkbox"/></td><td style="text-align: center;">3. Reactive (D003) <input type="checkbox"/></td><td style="text-align: center;">4. EP Toxic (D000) <input checked="" type="checkbox"/></td><td colspan="8" style="text-align: center;">(List specific EPA hazardous waste number(s) for the EP Toxic contaminant(s))</td></tr><tr><td style="border: 1px solid black; text-align: center;">D</td><td style="border: 1px solid black; text-align: center;">0</td><td style="border: 1px solid black; text-align: center;">0</td><td style="border: 1px solid black; text-align: center;">7</td><td style="border: 1px solid black; text-align: center;">D</td><td style="border: 1px solid black; text-align: center;">0</td><td style="border: 1px solid black; text-align: center;">0</td><td style="border: 1px solid black; text-align: center;">8</td><td style="border: 1px solid black; text-align: center;"> </td><td style="border: 1px solid black; text-align: center;"> </td><td style="border: 1px solid black; text-align: center;"> </td><td style="border: 1px solid black; text-align: center;"> </td></tr></table>												1. Ignitable (D001) <input type="checkbox"/>	2. Corrosive (D002) <input type="checkbox"/>	3. Reactive (D003) <input type="checkbox"/>	4. EP Toxic (D000) <input checked="" type="checkbox"/>	(List specific EPA hazardous waste number(s) for the EP Toxic contaminant(s))								D	0	0	7	D	0	0	8				
1. Ignitable (D001) <input type="checkbox"/>	2. Corrosive (D002) <input type="checkbox"/>	3. Reactive (D003) <input type="checkbox"/>	4. EP Toxic (D000) <input checked="" type="checkbox"/>	(List specific EPA hazardous waste number(s) for the EP Toxic contaminant(s))																															
D	0	0	7	D	0	0	8																												
B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33. See instructions if you need to list more than 12 waste codes.) <table style="width: 100%; border-collapse: collapse;"><tr><td style="border: 1px solid black; text-align: center; width: 15%;">1 F 0 0 1</td><td style="border: 1px solid black; text-align: center; width: 15%;">2 F 0 0 2</td><td style="border: 1px solid black; text-align: center; width: 15%;">3 F 0 0 3</td><td style="border: 1px solid black; text-align: center; width: 15%;">4 F 0 0 5</td><td style="border: 1px solid black; text-align: center; width: 15%;">5 </td><td style="border: 1px solid black; text-align: center; width: 15%;">6 </td></tr><tr><td style="border: 1px solid black; text-align: center;">7 </td><td style="border: 1px solid black; text-align: center;">8 </td><td style="border: 1px solid black; text-align: center;">9 </td><td style="border: 1px solid black; text-align: center;">10 </td><td style="border: 1px solid black; text-align: center;">11 </td><td style="border: 1px solid black; text-align: center;">12 </td></tr></table>												1 F 0 0 1	2 F 0 0 2	3 F 0 0 3	4 F 0 0 5	5 	6 	7 	8 	9 	10 	11 	12 												
1 F 0 0 1	2 F 0 0 2	3 F 0 0 3	4 F 0 0 5	5 	6 																														
7 	8 	9 	10 	11 	12 																														
C. Other Wastes. (State or other wastes requiring an I.D. number. See instructions.) <table style="width: 100%; border-collapse: collapse;"><tr><td style="border: 1px solid black; text-align: center; width: 15%;">1 </td><td style="border: 1px solid black; text-align: center; width: 15%;">2 </td><td style="border: 1px solid black; text-align: center; width: 15%;">3 </td><td style="border: 1px solid black; text-align: center; width: 15%;">4 </td><td style="border: 1px solid black; text-align: center; width: 15%;">5 </td><td style="border: 1px solid black; text-align: center; width: 15%;">6 </td></tr></table>												1 	2 	3 	4 	5 	6 																		
1 	2 	3 	4 	5 	6 																														
X. Certification																																			
<p>I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.</p>																																			
Signature 				Name and Official Title (type or print) MGR. SPEC. PROJ. ENG.				Date Signed 4/16/90																											
XI. Comments																																			
Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)																																			

Facility Name AIR TECHNIQUES

Category 3 a

EPA ID Number NYD 043 835 081

Date of doc. 6/15/00

Confidential (Non CBI) ☐ ^{YES} → Confidential Page No. ☐

Non Confidential ☒

Copy ☐ Original ☒

FOIA Exempt ☐ Non FOIA Exempt ☒

Project Manager Signature [Signature]



CORPORATE HEADQUARTERS
70 Cantigue Rock Rd., PO Box 870, Hicksville, NY 11801
516/433-7676 Fax 516/433-7683

copy - 8.

WESTERN DIVISION
1591 Sunland Lane Costa Mesa CA 92626
714/435-7930 Fax 714/435-1163

June 12, 2000

Hicksville Fire Department
16 Marie Street
Hicksville, NY 11801

Attn: Mr. Owen McGee

Mr. McGee,

We are required by law to make certain arrangements with your department concerning emergency procedures. I believe that our facility lies within the area of jurisdiction of your department.

I have enclosed our contingency plan which has been sent via certified mail, return receipt requested. If I do not receive comments from you within 30 days regarding the arrangements defined in our contingency plan, the returned receipt will be considered your agreement to participate.

If you have any questions, please contact me at 516-433-7676 x5508.

Respectfully,

Bob Kattke
Inventory Manager

USEPA 000142



CORPORATE HEADQUARTERS

70 Cantiague Rock Rd., PO Box 870, Hicksville, NY 11801
516/433-7676 Fax 516/433-7683

Copy - 9

WESTERN DIVISION

1591 Sunland Lane Costa Mesa CA 92626
714/435-7930 Fax 714/435-1163

June 12, 2000

Nassau County Police Department
Department of Emergency Services
1490 Franklin Avenue
Mineola, NY 11501

Attn: Mr. Thomas Lippman

Mr. Lippman,

We are required by law to make certain arrangements with your department concerning emergency procedures. I believe that our facility lies within the area of jurisdiction of your department.

I have enclosed our contingency plan which has been sent via certified mail, return receipt requested. If I do not receive comments from you within 30 days regarding the arrangements defined in our contingency plan, the returned receipt will be considered your agreement to participate.

If you have any questions, please contact me at 516-433-7676 x5508.

Respectfully,

Bob Kattke
Inventory Manager

USEPA 000143



CORPORATE HEADQUARTERS
70 Cantiague Rock Rd., PO. Box 870 Hicksville, NY 11801
516/433-7676 Fax 516/433-7683

Copy - 10

WESTERN DIVISION
1591 Sunland Lane, Costa Mesa, CA 92626
714/435-7930 Fax 714/435-1163

June 12, 2000

Nassau County Medical Center
Occupational Health Services
Building A, Room 140
2201 Hempstead Turnpike
East Meadow, NY 11554

Attn: Dr. Subramami

Dr. Subramami,

We are required by law to make certain arrangements with your department concerning emergency procedures. I believe that our facility lies within the area of jurisdiction of your department.

I have enclosed our contingency plan which has been sent via certified mail, return receipt requested. If I do not receive comments from you within 30 days regarding the arrangements defined in our contingency plan, the returned receipt will be considered your agreement to participate.

If you have any questions, please contact me at 516-433-7676 x5508.

Respectfully,

A handwritten signature in cursive script that reads 'Bob Kattke'.

Bob Kattke
Inventory Manager

USEPA 000144



CORPORATE HEADQUARTERS
70 Cantiague Rock Rd PO Box 870, Hicksville, NY 11801
516/433-7676 Fax 516/433-7683

Copy - 11

WESTERN DIVISION
551 Sunland Lane Costa Mesa CA 92626
714/435-7930 Fax 714/435-1163

June 12, 2000

Nassau County Dept. of Health
Bureau of Environmental Management
240 Old Country Road
Mineola, NY 11501

Attn: Mr. Anthony Bocchiere

Mr. Bocchiere,

We are required by law to make certain arrangements with your department concerning emergency procedures. I believe that our facility lies within the area of jurisdiction of your department.

I have enclosed our contingency plan which has been sent via certified mail, return receipt requested. If I do not receive comments from you within 30 days regarding the arrangements defined in our contingency plan, the returned receipt will be considered your agreement to participate.

If you have any questions, please contact me at 516-433-7676 x5508.

Respectfully,

Bob Kattke
Inventory Manager

USEPA 000145

copy-12

Exhibit D – Emergency Coordinators

Primary Emergency Coordinator:

Richard Povak
2313 Atlantic Blvd.
Wantagh, NY 11793
Home phone: 516-781-2715
Cell phone: 516-528-7937

Alternate Emergency Coordinators:

Dominic Giordano
Plant Manager
3626 Bunker Avenue
Wantagh, NY 11793

Home phone: 516-785-5447

Robert Kattke
Inventory Manager
13 Earl Road
Melville, NY 11747

Home phone: 516-271-4736

Leonardo Bello
Maintenance Supervisor
92-52 215th Place
Queens Village, NY 11428

Home phone: 718-479-9074



CORPORATE HEADQUARTERS
70 Caniague Rock Rd., PO Box 870, Hicksville, NY 11801
516/433-7676 Fax 516/433-7683

copy 1

WESTERN DIVISION
1591 Sunland Lane, Costa Mesa, CA 92626
714/435-7930 Fax 714/435-1163

April 7, 2000

Mr. Steve Hammond
New York State Department of
Environmental Conservation
50 Wolf Road
Albany, New York 12233-7250

Dear Mr. Hammond:

Air Techniques, Inc. was audited by Mr. Abdool H. Jabar, U.S. EPA on Tuesday, April 4, 2000. During his audit, he pointed out that our hazardous waste holding area was 34 feet from our property line and not the required 50 feet.

The holding area was built in 1989 as prescribed by a New York State EPA Audit. It is inside our cinder block building with concrete sealed floors, concrete burned and protected by a sprinkler system. Mr. Jabar suggested that I contact your agency to ascertain if there are improvements we can make to the current holding area to comply with the statute.

Please respond as soon as possible so that we may be in compliance. I can be reached at 1-800-247-8324, extension 5508.

Thank you for your attention to this matter.

Respectfully,

Bob Kattke
Inventory Manager

USEPA 000147

2000

COPY

W/E	(V) DRUMS SEALED NO LEAKS	(V) NO LIQUID INSIDE OF BURN	INITIALS
4/7	✓	✓	AB
4/14	✓	✓	AB
4/21	✓	✓	AB
4/28	✓	✓	AB
5/5	✓	✓	AB
5/12	✓	✓	AB
5/19	✓	✓	AB
5/26	✓	✓	AB
6/2	✓	✓	AB
6/9	✓	✓	AB
6/16			
6/23			
6/30			
7/7			
7/14			
7/21			
7/28			
8/4			
8/11			
8/18			
8/25			
9/1			



copy 3

SAFETY-KLEEN COMPLIANCE NEEDS ASSESSMENT

Safety-Kleen Representative _____ 516-842-6311

Contact/ Title _____

Account Name _____ Account Number _____

Address _____

Phone _____ Fax _____

- | | |
|--|---|
| <input type="checkbox"/> Paperless MSDS Fax-on-Demand | <input type="checkbox"/> DOT HM-126f Hazmat Safety Training |
| <input type="checkbox"/> Computer Access to MSDS | <input type="checkbox"/> 8 Hour OSHA Training First-Responder Awareness |
| <input type="checkbox"/> Chemical Exposure/Spill Hotline | <input type="checkbox"/> 24 Hour OSHA Training - First Responder Operations |
| <input type="checkbox"/> Emergency Response Network | <input type="checkbox"/> 40 Hour OSHA Training- Haz Mat/ On Scene |
| <input type="checkbox"/> Facility Audit | <input checked="" type="checkbox"/> 8 Hour RECRA Training OK |
| <input type="checkbox"/> General OSHA/EPA/DOT | <input type="checkbox"/> Emergency Action Plan Training |
| <input type="checkbox"/> Hazardous Communications (Right-to-Know) | <input type="checkbox"/> 10 Hour OSHA General Industry Outreach Training |
| <input type="checkbox"/> Forklift Operator Safety | <input type="checkbox"/> Written Plans (Haz-Com, Lockout/Tagout, SPCC and others) |
| <input type="checkbox"/> Bloodborne Pathogen Response | |
| <input type="checkbox"/> Lockout/Tagout Procedure Safety | |
| <input type="checkbox"/> Personal Protective Equipment Use/PPE | |
| <input type="checkbox"/> Respiratory Protection | |
| <input type="checkbox"/> Confined Space Training | |
| <input type="checkbox"/> How to Comply With Hazardous Waste Laws (RECRA) | |

**TRAINING SEMINARS
AVAILABLE BOTH ON
AND OFF SITE**





1301 Garvey Street - Suite 300
Columbia, South Carolina 29201
CUSTOMER NO.



cc/y-4

DUNS NO. 05-367-1351 FED ID NO. 75 2178248

BRANCH 150

ELGIN OFFICE

FOR SERVICE CALL	BRANCH MANAGER	DOC EXP.	REMARKED SERVICE	SCHEDULE TO BE SERVICE	ELGIN OFFICE NUMBER
16 842-6311	JAMES CHECK		00		M000261948
CUSTOMER CODE	PREVIOUS BALANCE	BAL DUE IN DAYS			
BUSINESS TYPE	CHAIN	QUANTITY	SVC. P/C	PROD. P/C	
LOCATION			TAX EXEMPTION NO.		
211808					

** TOTAL PAGE 02 **

P.02/02

HR Techniques
70 Controque Rock Rd.
Hicksville, NY. 11601

SERVICE DATE	SALES REP NO	CUSTOMER P.O. NUMBER	CUSTOMER PHONE #	TAX CODE	HANDLING CODE	ABOUT CODE	SERVICE TAX	C.O.M.S. TAX	PRODUCT TAX							
4/11/90	3912		(516) 933-7670			PW										
SERVICE/PRODUCT	SERIAL NUMBER	REMARKS	UNIT PRICE	QUAN	CHARGE	SALES TAX	TOTAL CHARGE	WASTE MIN	SOLVENT/DRUMS		CC	SERVICE ITEM	LEAKAGE SERVICE ITEM	LEAKAGE SERVICE ITEM	BY	PROMO MO.
700019		2755	1		225	20	298		LEAK	SPILL	SK DDT					
P.Hue PCRA Hazardous Waste Training Pending Seminar DATE																
ATTENDEE- ROBERT KATKE																
089#2277																

TOTAL SERVICE/PRODUCTS

USEPA TRANSPORTER 1 ID NO.	USEPA TRANSPORTER 2 ID NO.	GENERATOR USEPA ID NO.	GENERATOR STATE ID NO.
IL0984908202			
11 US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID.)			
15TE COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM NAPHTHA) NA1993			
3III (ERG#128) 6.7LBS/GAL (D039)			
15TE COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM NAPHTHA) NA1993			
3III BQ (D018) ERG#128 (6.7#/GL) (D001, D039, D040)			
15TE COMBUSTIBLE LIQUID, N.O.S. 9 NA3082 PG III			
3039) (ERG#171) AQUEOUS BRAKE SOLUTION (8.3#/GAL)			
12 COM			
13 TOTAL			
14 LHM			
15 DOT NUMBER			
5768015			
1 CERTIFY THAT MY TOTAL WASTE STIMULUS ARE BEING ONE OF THE FOLLOWING			
0 TO 250 LBS/MONTH			
250 LBS TO 2,500 LBS/MONTH			
2,500 LBS TO 25,000 LBS/MONTH			
GREATER THAN 25,000 LBS/MONTH			

DESIGNATED FACILITY NAME AND ADDRESS SAFETY-KLEEN SYSTEMS, INC.

CERTIFY THAT NO MATERIAL CHANGE HAS OCCURRED IN THE CHARACTERISTICS OF THE WASTE MATERIALS OR IN THE PROPERTIES GENERATING THE WASTE MATERIALS

CASH <input type="checkbox"/>	TOTAL RECEIVED	APPLY PAYMENT TO
CHECK NUMBER		<input type="checkbox"/> ROMAN'S SERVICES/SALES
		<input type="checkbox"/> PAYMENT BALANCE AS FOLLOWS
INVOICE #	AMOUNT \$	INVOICE #
EXP. DATE	EXP. DATE	
CREDIT CARD NO.	AMEX	EXP. DATE
IN THE EVENT OF AN		

PAIDEE TO PAY THE ABOVE CHARGES AND TO BE BOUND BY THE TERMS AND CONDITIONS SET FORTH HEREIN AND ON THE REVERSE SIDE OF THIS INVOICE. PLEASE CHARGE MY ACCOUNT WITH THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT TO CREDIT SECTION. THE INDIVIDUAL SIGNING THIS DOCUMENT IS AUTHORIZED TO SIGN AND BIND THE COMPANY TO ITS TERMS.

ROBERT M. KATKE
P.O. & A. QI-MH

TOTAL CHARGE (FROM ABOVE)	298
WASTE MIN (FROM ABOVE)	
TOTAL DUE	298
DO NOT WRITE IN THE AREA BELOW	
M000261948	

SERVICE AND SALES ACKNOWLEDGMENT PART-1356 (Rev. 6/98)

05/15/00 16:00 TX/RX NO. 6255 P.002

USEPA 000150

AIR TECHNIQUES

EMPLOYEE JOB DESCRIPTION OR TRAINING / ACTIVITY RECORD

NAME	POSITION
DATE	DEPARTMENT

	J JOB DESCRIPTION <small>(Does not include all responsibilities; responsibilities are subject to change).</small>	TRAINED THROUGH <small>Education Experience Seminar/class Instruction</small>	DATE TRAINED <small>N = not applicable for E and X</small>	LOCATION AND NAME OF TRAINER/ INSTRUCTOR <small>O = outside A = Air Techniques N = not available</small>	DATE QUALIFIED <small>D = date hired</small>	NAME OF QUALIFIER	RE-QUALIFICATION DATE <small>N = not applicable</small>
	A ACTIVITY PERFORMED T TYPE OF TRAINING <small>*supply letter J, A or T</small>						
•	Describe or specify	E, X, S, or I	date or N	O, A, N and name	date or D	--	date or N

Copy-5

V
AIR TECHNIQUES
EMPLOYEE JOB DESCRIPTION OR TRAINING /ACTIVITY RECORD

USEPA 000152

COPY-6

NAME BOB KATKE	POSITION INVENTORY MANAGER
DATE	DEPARTMENT INVENTORY

J	JOB DESCRIPTION (Does not include all responsibilities; responsibilities are subject to change).	TRAINED THROUGH	DATE TRAINED	LOCATION AND NAME OF TRAINER/ INSTRUCTOR	DATE QUALIFIED	NAME OF QUALIFIER	RE- QUALIFI- CATION DATE
A	ACTIVITY PERFORMED	Education Experience Seminar/class Instruction	N= not applicable for E and X	O = outside A = Air Techniques N = not available	D = date hired		N not applicable
T	TYPE OF TRAINING						
*	*supply letter J, A or T Describe or specify	E, X, S, or I	date or N	O, A, N and name	date or D	--	date or N
J	MANAGE ALL MATERIALS ACTIVITIES WITHIN THE CORPORATION. MANAGE THE ADMINISTRATION OF INVENTORY DATA	E	N	O	9-3-80	F. BADER	N
A	DIRECT THE ACTIVITIES OF SUPERVISORS IN STOCKROOM, SPR. AND SHIPPING DEPTS.	E	N	O	9-3-80	F. BADER	N
A	SUPERVISE THE ACTIONS OF THE DATA ENTRY CLERK AND THE INVENTORY ANALYST	E	N	O	9-3-80	F. BADER	N
A	WORK WITH ALL COMPANY DEPARTMENTS TO MAINTAIN ACCURATE PERPETUAL INVENTORY. AND ASSURE THAT	E	N	O	9-3-80	F. BADER	N
	THE COMPUTER SYSTEM IS FUNCTIONING AS DESIGNED.	X	↓	↓	↓	↓	N
A	TRAIN SUPERVISORS AND EMPLOYEES REGARDING POLICIES OF INVENTORY ACTIVITIES AND COMPANY QUALITY.	E	N	O	9-3-80	F. BADER	N



CORPORATE HEADQUARTERS

70 Cantiague Rock Rd., PO Box 870, Hicksville, NY 11801
516/433-7676 Fax 516/433-7683

copy-7

WESTERN DIVISION

1591 Sunland Lane, Costa Mesa CA 92626
714/435-7930 Fax 714/435-1163

June 12, 2000

N.Y.S. Dept. of Environmental Conservation
State University of N.Y., Building #40
Stony Brook, NY 11794

Attn: Mr. Nicholas Acampora

Mr. Acampora,

We are required by law to make certain arrangements with your department concerning emergency procedures. I believe that our facility lies within the area of jurisdiction of your department.

I have enclosed our contingency plan which has been sent via certified mail, return receipt requested. If I do not receive comments from you within 30 days regarding the arrangements defined in our contingency plan, the returned receipt will be considered your agreement to participate.

If you have any questions, please contact me at 516-433-7676 x5508.

Respectfully,

Bob Kattke

Bob Kattke
Inventory Manager

USEPA 000153



**ACKNOWLEDGEMENT OF NOTIFICATION
OF
HAZARDOUS WASTE ACTIVITY**

07/05/99

This is to acknowledge that you have filed a **Notification of Hazardous Waste Activity** for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER	→	NYR000072546
INSTALLATION NAME	→	MAGAZINE DIST CORP
INSTALLATION ADDRESS	→	100 CANTIAGUE ROCK RD HICKSVILLE, NY 11801
MAILING ADDRESS	→	PO BOX 9058 HICKSVILLE, NY 11802


EPA Form 8700-12AB (4-80)

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY, 22nd Floor
NEW YORK, NEW YORK 10007-1866**

**ATTN: DIV OF ENVIRON PLANNING & PROTECTION
RCRA PROGRAMS BRANCH**

**TO: CORPETIELLO, KEVIN
FLEET MANAGER
100 CANTIAGUE ROCK RD
HICKSVILLE, NY 11801**

USEPA 000303

Please refer to Section V, line-by-line instructions for completing EPA Form 8700-12, before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act, 42 U.S.C. 9601).		Notification of Regulated Waste Activity  United States Environmental Protection Agency		Date Received (For Official Use Only) SEP 10 1999	
I. Installation's EPA ID Number (Mark 'X' in the appropriate box)					
<input checked="" type="checkbox"/> A. Initial Notification		<input type="checkbox"/> B. Subsequent Notification (Complete Item C)		C. Installation's EPA ID Number NYR000072546	
II. Name of Installation (Include company and specific site name) MAGAZINE DIST CORP					
III. Location of Installation (Physical address not P.O. Box or Route Number)					
Street 100 CANTAGUE ROCK ROAD					
Street (Continued)					
City or Town HICKSVILLE				State NY	Zip Code 11801-
County Code 059		County Name NASSAU COUNTY			
IV. Installation Mailing Address (See Instructions)					
Street or P.O. Box PO BOX 9058					
City or Town HICKSVILLE				State NY	Zip Code 11802-
V. Installation Contact (Person to be contacted regarding waste activities at site)					
Name (Last) CORDETIELLO			(First) KEVIN		
Job Title FLEET MANAGER			Phone Number (Area Code and Number) 516-433-2300		
VI. Installation Contact Address (See Instructions)					
<input checked="" type="checkbox"/> A. Contact Address Location		<input type="checkbox"/> B. Street or P.O. Box			
100 CANTAGUE ROCK ROAD		100 CANTAGUE ROCK ROAD			
City or Town HICKSVILLE				State NY	Zip Code 11801-
VII. Ownership (See Instructions)					
A. Name of Installation's Legal Owner MAGAZINE DIST CORP					
Street, P.O. Box, or Route Number PO BOX 9058					
City or Town HICKSVILLE				State NY	Zip Code 11802-
Phone Number (Area Code and Number) 516-433-2300		B. Land Type <input type="checkbox"/>	C. Owner Type <input type="checkbox"/>	D. Change of Owner Indicator Yes <input type="checkbox"/> No <input type="checkbox"/>	
				(Date Changed) Month Day Year	

Address verified us Post Office (93)

Call Joyce Zimmerman (516) 842-6311

(OK) JH

FED

X

02

412

ID - For Official Use Only

VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to Instructions)

A. Hazardous Waste Activity		B. Used Oil Recycling Activities
<p>1. Generator (See Instructions)</p> <p><input type="checkbox"/> a. Greater than 1000kg/mo (2,200 lbs.)</p> <p><input checked="" type="checkbox"/> b. 100 to 1000 kg/mo (220-2,200 lbs.)</p> <p><input type="checkbox"/> c. Less than 100 kg/mo (220 lbs)</p> <p>2. Transporter (Indicate Mode in boxes 1-5 below)</p> <p><input type="checkbox"/> a. For own waste only</p> <p><input type="checkbox"/> b. For commercial purposes</p> <p>Mode of Transportation</p> <p><input type="checkbox"/> 1. Air</p> <p><input type="checkbox"/> 2. Rail</p> <p><input type="checkbox"/> 3. Highway</p> <p><input type="checkbox"/> 4. Water</p> <p><input type="checkbox"/> 5. Other - specify</p> <p>_____</p>	<p><input type="checkbox"/> 3. Treater, Storer, Disposer (at installation) Note: A permit is required for this activity, see Instructions.</p> <p>4. Hazardous Waste Fuel</p> <p><input type="checkbox"/> a. Generator Marketing to Burner</p> <p><input type="checkbox"/> b. Other Marketers</p> <p><input type="checkbox"/> c. Boiler and/or Industrial Furnace</p> <p><input type="checkbox"/> 1. Smelter Deferral</p> <p><input type="checkbox"/> 2. Small Quantity Exemption</p> <p>Indicate Type of Combustion Device(s)</p> <p><input type="checkbox"/> 1. Utility Boiler</p> <p><input type="checkbox"/> 2. Industrial Boiler</p> <p><input type="checkbox"/> 3. Industrial Furnace</p> <p><input type="checkbox"/> 5. Underground Injection Control</p>	<p>1. Used Oil Recycling Marketer</p> <p><input type="checkbox"/> a. Marketer Directs Shipment of Used Oil to Off-Specification Burner</p> <p><input type="checkbox"/> b. Marketer Who First Claims the Used Oil Meets the Specifications</p> <p>2. Used Oil Burner - Indicate Type(s) of Combustion Device</p> <p><input type="checkbox"/> a. Utility Boiler</p> <p><input type="checkbox"/> b. Industrial Boiler</p> <p><input type="checkbox"/> c. Industrial Furnace</p> <p>3. Used Oil Transporter - Indicate Type(s) of Combustion Device(s)</p> <p><input type="checkbox"/> a. Transporter</p> <p><input type="checkbox"/> b. Transfer Facility</p> <p>4. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies)</p> <p><input type="checkbox"/> a. Process</p> <p><input type="checkbox"/> b. Re-refine</p>

IX. Description of Regulated Wastes (Use additional sheets if necessary)

A. Characteristics of Nonlisted Hazardous Wastes. (Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles; See 40 CFR Parts 261.20 - 261.24)

1. Ignitable (D001)	2. Corrosive (D002)	3. Reactive (D003)	4. Toxicity Characteristic	(List specific EPA hazardous waste number(s) for the Toxicity characteristic contaminant(s))
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33; See Instructions if you need to list more than 12 waste codes.)

1 D018	2 D039	3 D040	4	5	6
7	8	9	10	11	12

C. Other Wastes. (State or other wastes requiring a handler to have an I.D. number; See Instructions.)

1	2	3	4	5	6
---	---	---	---	---	---

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature 	Name and Official Title (Type or print) Kevin Competello Fleet Manager	Date Signed 10-16-99
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XI. Comments

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)



June 17, 1999

USEPA Region II
Air and Waste Management
290 Broadway
New York, NY 10007

Dear Sir,

Enclosed are several applications for EPA numbers. Please rush these applications since our customers need to get a waste pick up ASAP. Please call me at 516 842-6311 when these numbers are ready.

If you have any questions please do not hesitate to call me.

Sincerely,

Joyce Zimmerman
Office Supervisor

Safety-Kleen Systems
60 Seabro Ave.
N. Amityville, NY 11701



NYR000072546
MAGAZINE DIST CORP
HICKSVILLE

NY

NYR000072546
MAGAZINE DIST CORP
HICKSVILLE

NY